

GRAIN DEALERS JOURNAL

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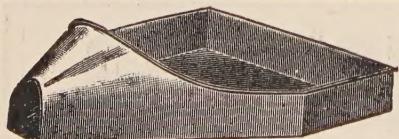
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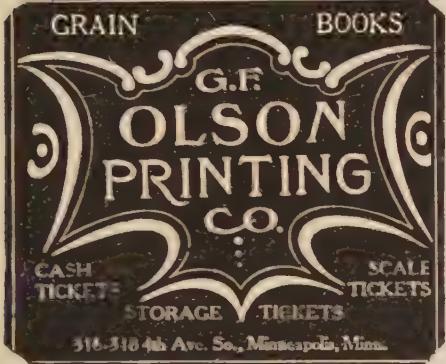
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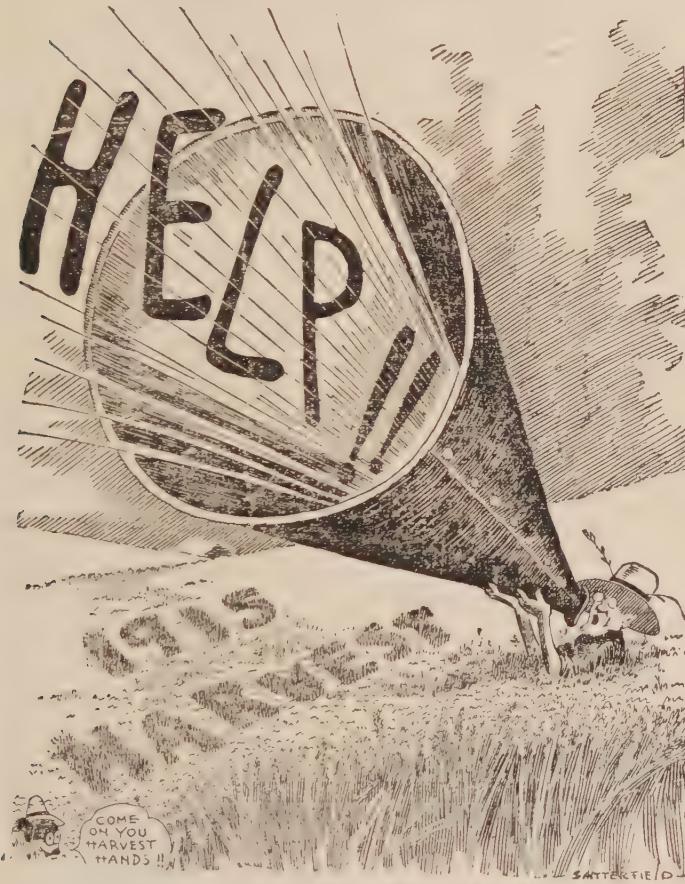
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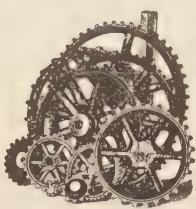
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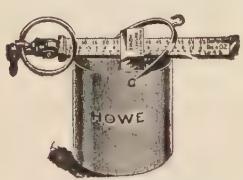
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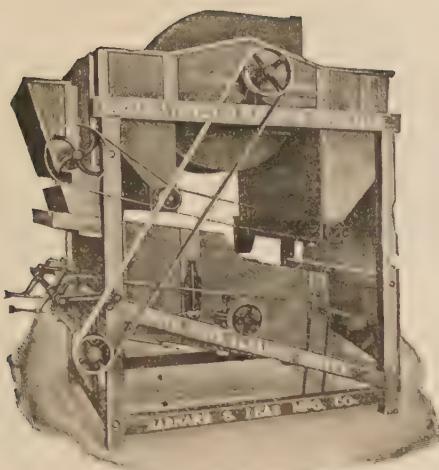


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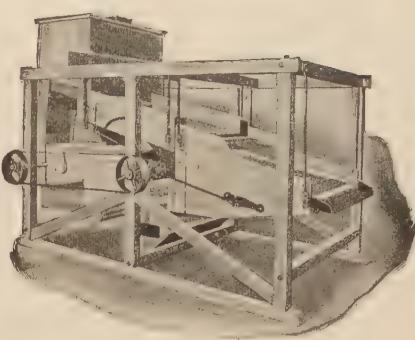


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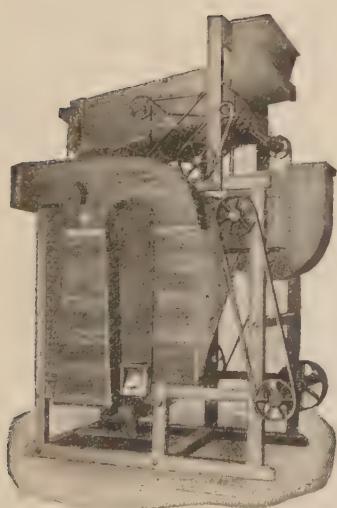
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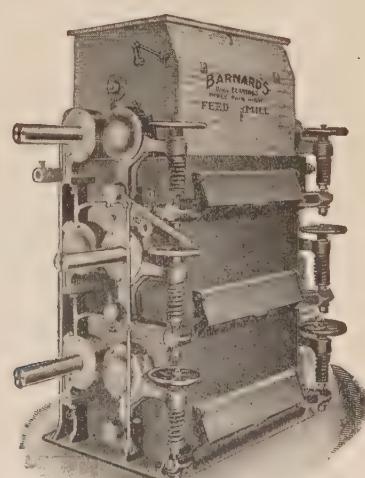
Our line includes Separators, Scourers and Oat Clippers of all kinds, a full line of Feed Mills and Corn Shellers and Cleaners, Packers, Grain Dryers, Dust Collectors and Power Connections and Supplies of all kinds.

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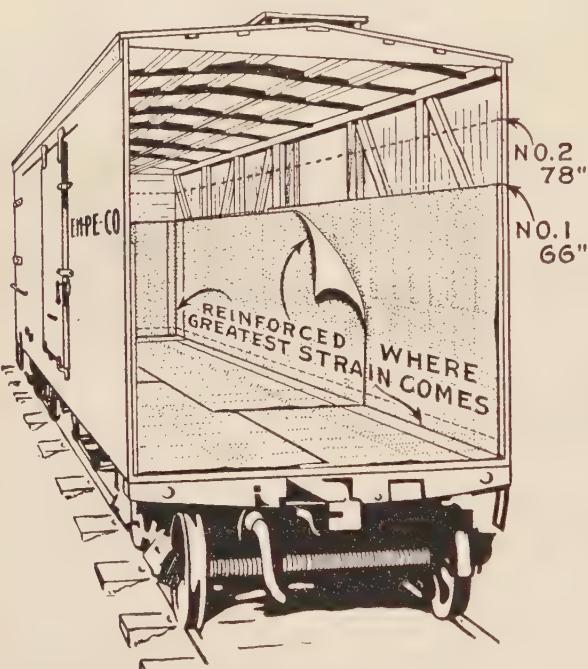
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LICENSED UNDER THE KENNEDY PATENT, April 17, 1906

—TWO SIZES—

No. 1 Full Liner 66 inches high,
to fit 40 foot
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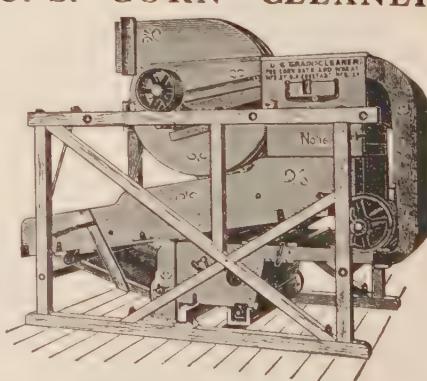


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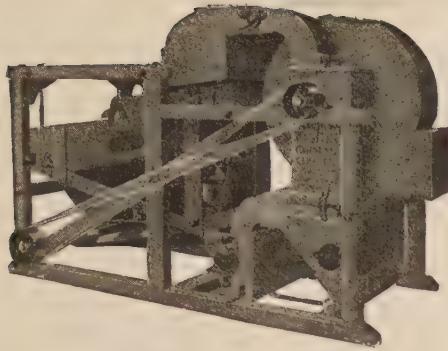
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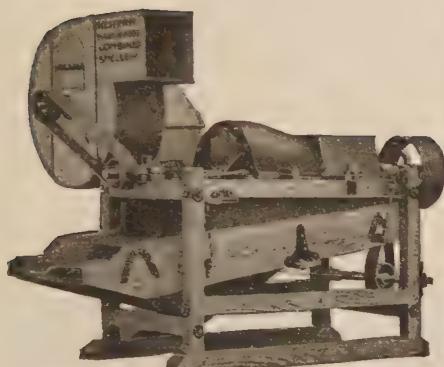
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"Western" Gyrating Cleaner



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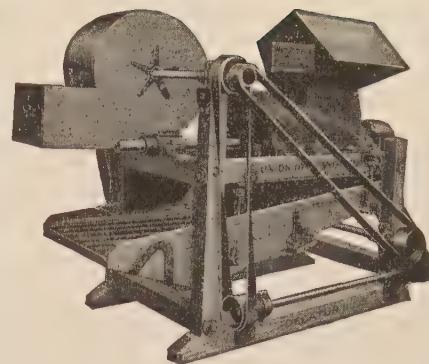
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guarantee that rated capacity and other things being equal, that the Richardson will make separations that cannot be equalled by any separator made.

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We will send you any type separator you require on 30 days free trial, so that you can actually demonstrate the truth of our claim and earn enough money during the trial to pay for the machine.

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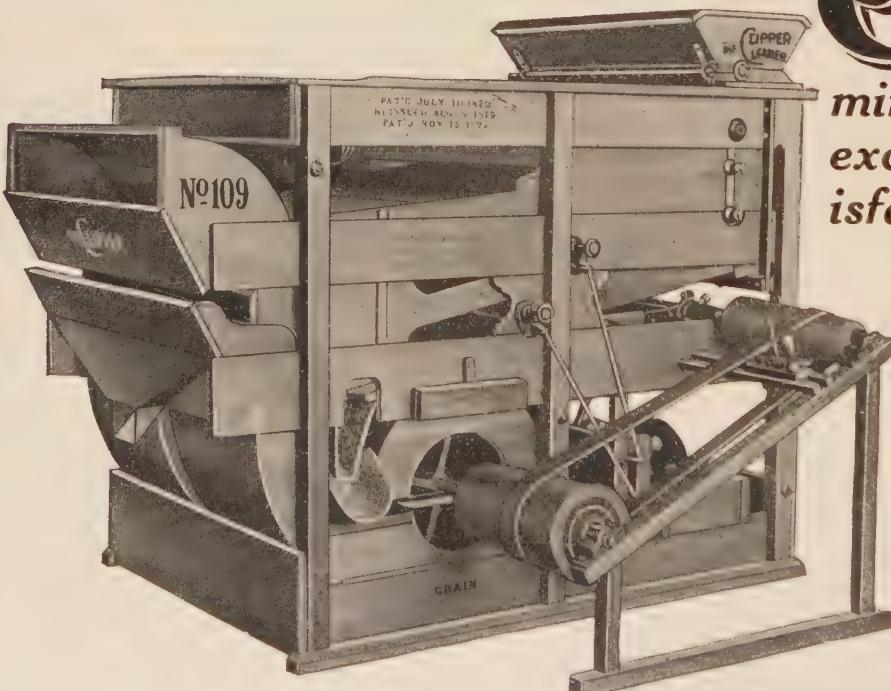
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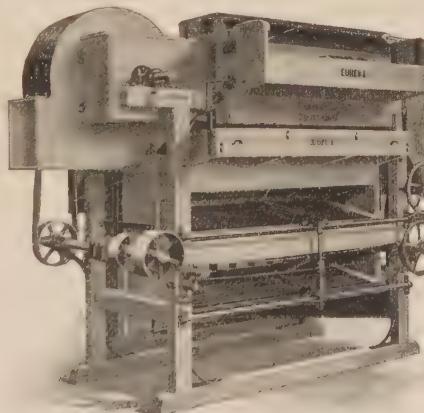
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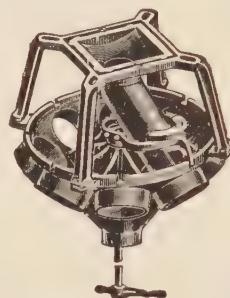
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increases the efficiency of the man. Enables him to do more business, and keep all his grain from mixing. It increases the available bin capacity, and enables the owner to handle more grain.

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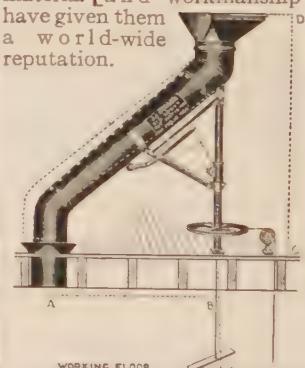
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will absolutely prevent the mixing of grain. The best of material and workmanship have given them a world-wide reputation.



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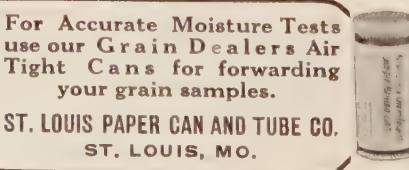
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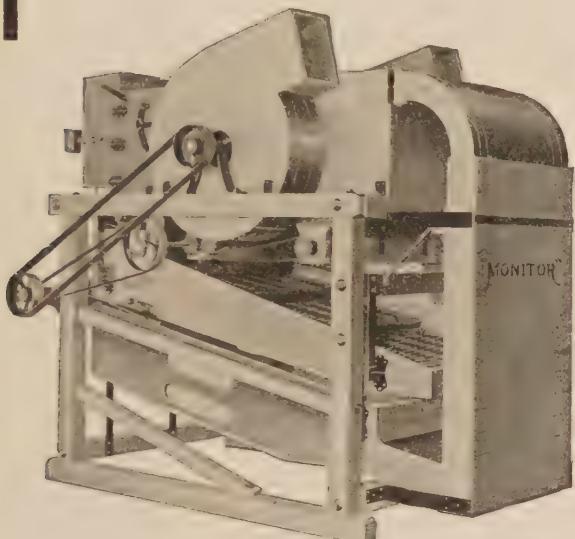
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Sent postpaid on receipt of price; or on trial to responsible parties. Has automatic valve and fine sponge.

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CORN AND GRAIN
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You save—
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We handle a full line and can give you a machine for any kind of work you want to do.

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The best work—quick service.

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Why waste space and time with single duty machines when the

INVINCIBLE COMBINED CORN AND GRAIN CLEANER

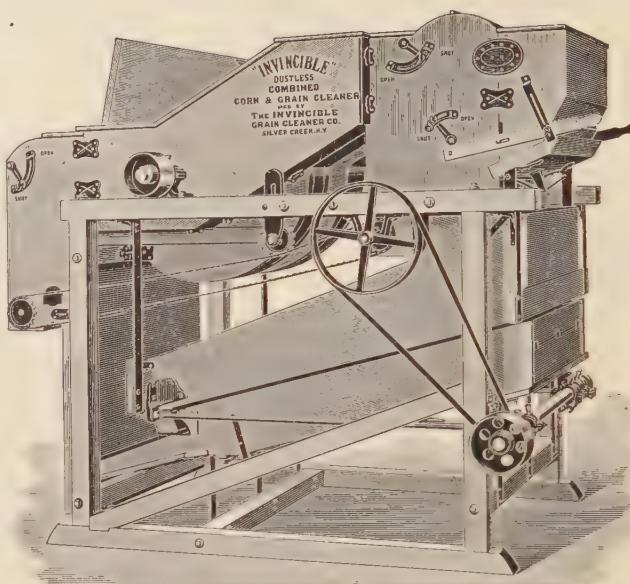
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No unused screens lying around to waste space or get broken.

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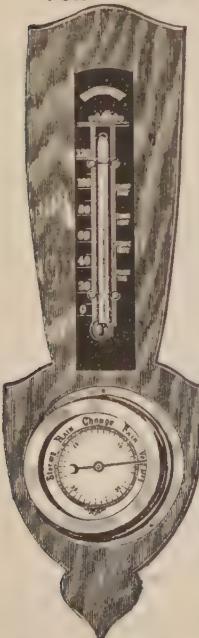
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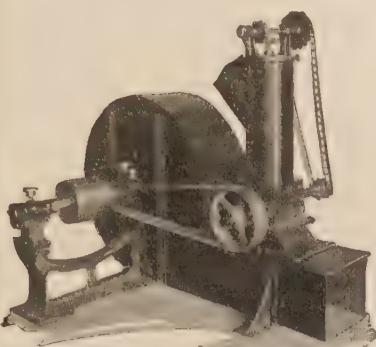
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It will handle grain, corn, seeds, etc., any
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MATTOON CAR LOADER AND GRAIN CLEANER

The grain being carried by a regulated air force, naturally the lighter matter
such as chaff, dust and straw would be carried out by the spent air, and the
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Grain also traveling in a cool
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The loading spout travels con-
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Bear in mind that the Mat-
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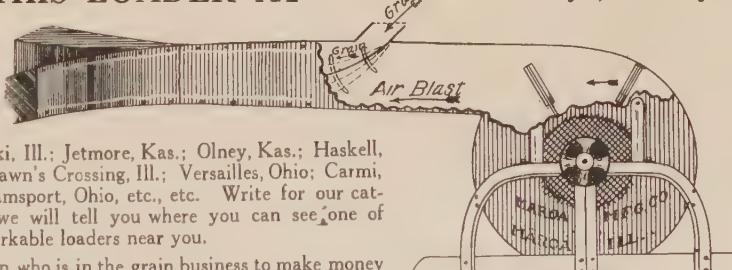
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Have designed and built some
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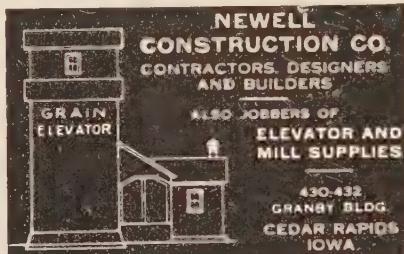
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FORM 385 is a book designed especially
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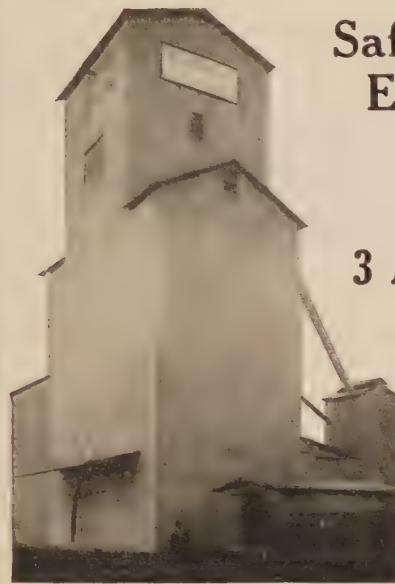
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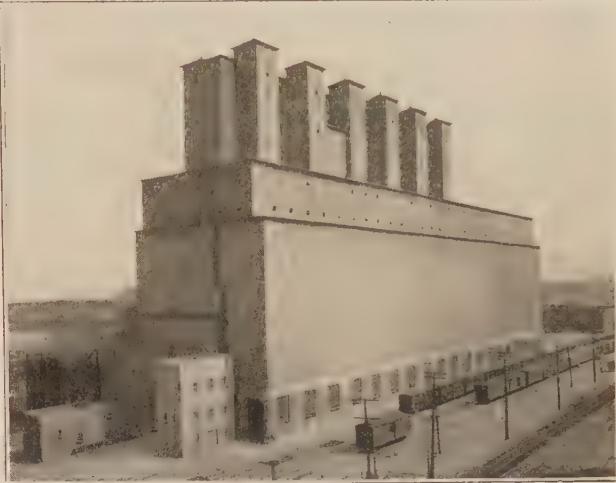
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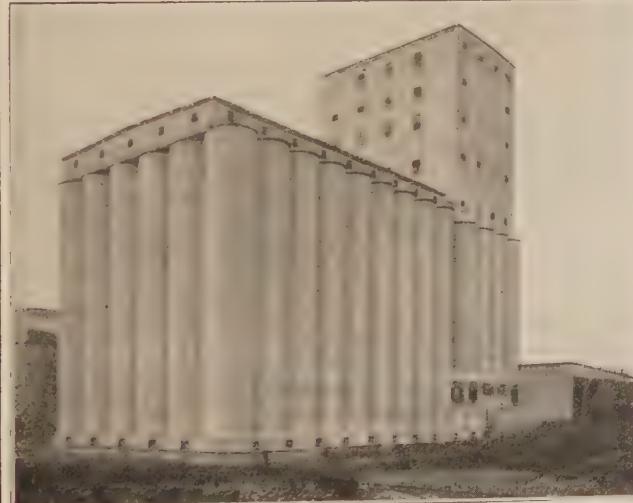
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Absolutely Fireproof—Electrically Driven

Built for
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FORM 222 C. O. So many grain shippers are experiencing difficulty in obtaining cars, many are now keeping a carbon copy of each order for cars, in order to keep an accurate record of their efforts to obtain cars, to facilitate proving delay by railroad company and to encourage railroad agents to heed shippers' needs. Car order blanks are put up in books of fifty, with machine perforations, so that order can be torn out and sent to carrier's agent and carbon copy be retained in book. Fifty orders and 50 duplicates in each book. Price, 50cts.

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Perfection Metal Bins Lock Them Out

Fire comes but once to an Elevator. The percentage of "partial losses" is mighty low.

But the rats are always with us. Their drains on grain are constant—in the aggregate they are large. They are a constant cause of small losses that can only be measured by Big Dollars in the year's balance sheet.

Perfection Metal Bins lock the rats out. Grain is secure from their depredations. The metal and concrete construction leaves them no place to make their homes.

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Book, "Fireproof Grain Storage," sent on request, tells how Fire and Rat proof grain storage is now possible at a cost but little exceeding wood.

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"a successful grain man"

The owner of a Reliance elevator handles grain on a bigger margin, because his operating expenses are lower.
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A book for the use of country grain buyers in keeping a record of grain received from farmers.

Its column headings are: Month, Day, Name, Kind, Gross and Tare, Net Pounds, Bushels, Pounds, Price, Dollars, Cents and Remarks.

The book is 9½x12 inches, 160 pages, 20 lines to each page, giving room for recording 3,200 loads, printed on Linen Ledger Paper and is well bound in strong board covers with leather back and corners. Order Form 380.

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First Class Concrete Grain Storage Construction

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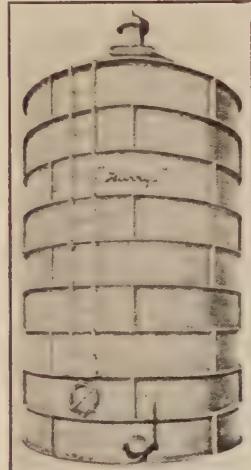
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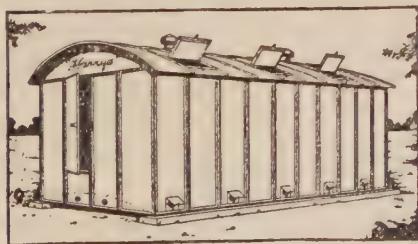
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Rats and Weevil destroy 20% of the Farmers' Grain. The Weevil won't live in Harry's Galvanized Iron Grain Storage Tank.



Don't fatten Rats; use Harry's Sectional Galvanized Iron Corn Crib.

HARRY'S Line of Sectional Galvanized Iron Structures include Large Grain Tanks for Mills and Elevators, Sectional Galvanized Iron Warehouses in any dimensions for Grain and Hay Shippers, Weevil and Rat proof Grain Storage Tanks and Corn Cribs for Grain Dealers and Farmers' Towers, Tanks etc.

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Three of our Grain Storage Tanks in use by The Grayson Mill and Elevator Co., Van Alstyne, Texas, 16'8" dia., 30' high. Capacity 5,440 Bushels each.



Harry's Sectional Galvanized Iron Warehouses for Storing Bulk Grain, Hay, etc., Fire and Rat proof.

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requires little of your time for filing, and contains spaces for all the necessary information in the order which assures prompt attention on the part of the claim agent. It increases and hastens your returns by helping you prove your claims and by helping the claim agent to justify payment.

These claim blanks are printed on bond paper, bound in book form, each book containing 100 originals and 100 duplicates, a two page index and summary showing just which claims have not been paid, and four sheets of carbon. You tear out the original to send to the claim agent, and the carbon copy remains in the book, as a record of the claim.

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Form 23 is an Indexed Journal, keeps a record of 10,000 wagon loads. Each man's loads are entered on his page. It keeps a record of scale weights. From it both debits and credits are posted to ledger, crediting the customer with the amount received and charging it to the grain's account.

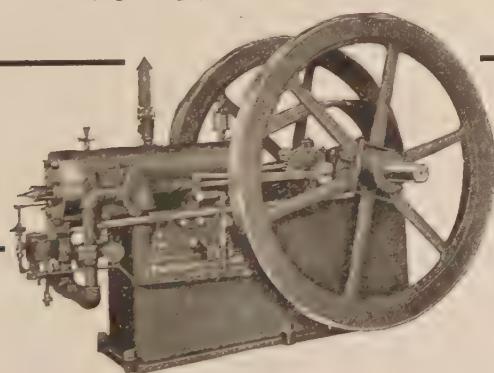
In using this book the dealer minimizes the chance of making errors by posting from original entries.

The book is ruled with column headings as follows: Date; L. F.; L. F.; Kind of Grain; Remarks; Gross; Tare; Net; Bushels; Pounds; Price; Amount.

The book contains 240 pages, size 10 $\frac{1}{4}$ x15 $\frac{1}{4}$ inches. The best linen ledger paper is used. The regular ledger index in front will accommodate all names necessary. The book is bound in extra heavy cloth covers with leather back. Price, \$2.50.

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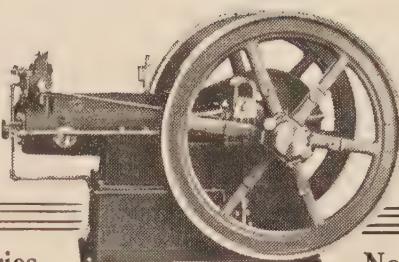
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No Delays From Breakdowns

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To you men who have bought to regret, we suggest a careful investigation of the Lauson Gasoline or Kerosene Engine, because it is one you can depend on to do continuous hard work all the time. It will start right in the morning and stop right at night. The "Why" of it all is explained in our illustrated catalog, which is yours for the asking.

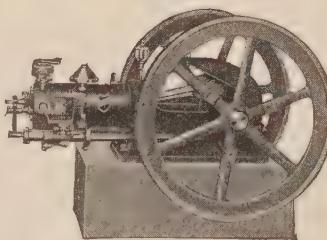
Built in all sizes from 2 to 100 H. P.

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GENUINE CRUDE AND FUEL OIL ENGINES

Operates successfully on cheapest fuel oil.
Sizes 10 to 75 H. P. Stationary only.

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The rhythmic running of the engine places on the power plant the stamp of efficiency. Very little noise is apparent. The exhaust is clean and regular.

OTTO Engines show these qualities after years of operation, and their economical fuel consumption is practically unaffected by long service.

These time-proven characteristics, coupled with an established minimum cost for maintenance, have been the chief factors in deciding the sales of more than 100,000 OTTO engines.

Engine sizes up to 50 horse power in stock; larger engines can be furnished promptly. We would appreciate an opportunity to show you, personally, the full worth of the OTTO product, as it affects your business.

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A Car-Mover that Stands the Test NEW BADGER

FREE
For 30 Days



We will send you a New Badger Car-Mover for thirty days free trial and if it does not meet with your approval return it. We pay the freight both ways. If you keep it you are to send us \$5.00.

We would not make such an offer were we not sure that this Car-Mover would stand the test. It has been on the market for a long time and has always met with the approval of its users.

Drop us a post card and ask us to send you the New Badger for thirty days' free trial.

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Grain Dust is a Fire Hazard

Wherever it settles.

It's a Dangerous Explosive

Exposed to ignition by spark and spontaneous combustion a constant menace to life and property.

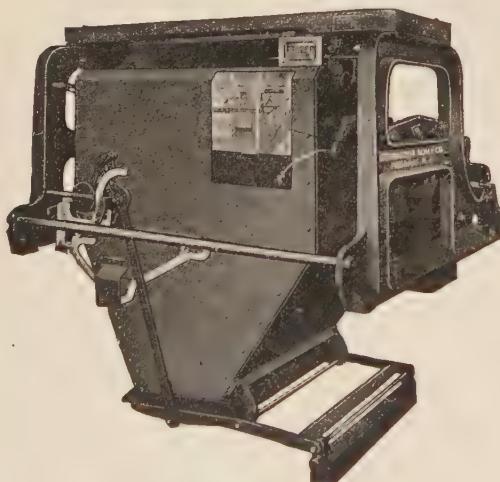
The only SANE, SAFE thing to do is recover the dust with an all-metal fireproof

"Knickerbocker Cyclone"

Write for Catalog.

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Try This on Your Elevator



If ever you're fussy or worried or sick,
Just call us right up on the phone;
If shortages happen and things get too thick,
Just call us right up on the phone.
We can weigh to the car and the weights will be right,
The scale keeps the tab, you will sure win your fight,
And after you try it you'll put up your right,
Swearing, "Gee, but I'm glad that I phoned."

You sure will be glad for the satisfied taste
You will have if you only will phone;
Like the feel of a Peach as you circle her waist,
"Twill come over you just as you phone;
So Friend, do it now, take the phone down right quick.
Don't wait till tomorrow, or till you feel sick,
But order a RICHARDSON: we'll make it stick.
And you'll live in Security Zone.

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Other Offices at Passaic, N. J.; Buffalo, N. Y.;
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Grain Carriers

FOREIGN BUILT VESSELS admitted to American registry since enforcement of the act of Aug. 18, 1914, numbered 151, with gross tonnage of 530,361, on July 10, 1915.

OMAHA recently received a cargo of corn and rye from Decatur, Neb., the barge Julia transporting the grain down the Missouri River. This was the first consignment of river grain received, but it is predicted many cargoes will follow.

SURPLUS of idle freight cars of United States and Canadian railways on July 1 was 275,111, compared with 299,928 on June 1 and 219,545 on July 1, 1914. The surplus of box cars increased from 123,381 on June 1, 1915, to 130,774 on July 1.

FEDERAL ELEVATOR Co., Minneapolis, Minn., has filed suit against the Great Northern Ry., alleging that the carrier lost a carload of wheat, 17,430 pounds; consigned from North Dakota to the company at Minneapolis. Payment of \$353.70 is asked.

MOTION for a rehearing in the Chicago & Alton overcharge case has been filed at Jefferson City, Mo., the court recently holding that the state cannot prosecute a suit on behalf of individual shippers, but can only sue to recover what may be due the state.

INTERSTATE COMMERCE COM'SN will take testimony at Kansas City, Mo., on Sept. 17 in the case of export grain products rates from Missouri River points, and at Des Moines on September 20 will hear the complaint of the Scott Logan Milling Co. v. the C. R. I. & P. Ry.

CARRIERS must make delivery in accordance with routing directions, according to the latest finding of the Interstate Commerce Com'sn, and must pay for extra expense due to failure to follow such instructions. Reimbursement must be made without a special order from the Com'sn. If unable to make delivery without unreasonable delay, and the consignee elects to accept delivery at another terminal he is entitled to recover damages in the sum of the difference between the expense of drayage actually incurred and that which would have been charged had delivery been promptly made.

Elevator Man ATTENTION

Install an Automatic Drain Circulating Pump and take the responsibility away from your Agent forgetting draining the Engine.

Prevents bursting of Cylinder, accumulating of lime in the water jacket, over heating of Engine, saves Fuel, oil and trouble.

Write for Circulars

G. G. Forester Mfg. Co.
MOLINE, ILL.

INTERSTATE COMMERCE Com's'n has dismissed the complaint of the Louisiana State Rice Milling Co., which alleged the "load and count" provision of the La. & Tex. Ry. was unlawful. Com's'n ruled that this provision, indorsed on Bs/L covering shipments not checked by the carrier, was neither unreasonable nor unlawful.

IN COMPLAINT of the Nebraska State Railway Com's'n v. Union Pacific Ry., the Interstate Commerce Com's'n has ruled that rates on wheat and corn from certain stations on the Union Pacific in Nebraska to St. Joseph and Kansas City, Mo., and Leavenworth, Kan., are not unreasonable or unjustly discriminatory. Complaint was dismissed.

PUBLIC SERVICE Com's'n of Missouri has heard complaints of St. Louis grain men against a number of railroads, alleging that there is no definite rate for the shipment of empty bags. The Com's'n is requested to fix such a rate and is asked to compel the carriers to annul their restriction as to the manner in which the bags shall be prepared for handling.

SUITS have been brot against the Baltimore & Ohio Railway at Baltimore, Md., for \$7,600 for alleged delay in transportation of grain from Canada in 1912, said to have caused deterioration, by Sparks & Sparks, \$300; Leroux & Campbell, \$1,000; Wood & Palmer, \$500; Cowan & Lowerre, \$300; Morris Shaver, \$1,500; F. D. Helps, \$1,000, and Charles Kert, \$3,000.

SURELY NO CONGRESSMAN would be bold enough to advocate that each cargo steamer be paid \$32,044 per year, yet this is what would be necessary. A subsidy is out of the question, and need not be considered. Furthermore, the shipowners of this country are an independent folk, and would scorn to be fed at the public crib.—Captain Robert Dollar, pioneer shipowner.

INTERNATIONAL & Great Northern Ry. has obtained an injunction restraining the Dazey-Moore Grain Co., Fort Worth, Tex., from filing a large number of small suits for damages to grain shipments. It is alleged the company has filed numerous small claims which could have been tried as one case. The state law permits no appeal in suits involving less than \$20.

INTERSTATE COMMERCE Com's'n, in deciding the complaint of F. W. Stock & Sons, Hillsdale and Litchfield, Mich., against the C. M. & St. Paul Ry., finds the thru rate on wheat, all rail, from Minneapolis via Chicago, Hillsdale and Litchfield to New York is 1c per 100 lbs. higher than on flour. The rate on wheat milled in transit at Hillsdale or Litchfield is 1.7 cents higher than on flour, and is unreasonably prejudicial and disadvantageous to the complainant.—P.

BOWSHER FEED MILLS

GROW HEALTHY STOCK

Crush ear corn (with or without shucks) and grind all kinds of small grain.

Handy to operate—lightest running. 10 sizes: 2 to 25 h. p., capacity 6 to 200 bushels. Conical shape Grinders. Different from all others.

Write for Catalog and folder about the value of different feeds and manures.

The N. P. BOWSHER CO.
South Bend, Ind.

A SCALE ACCURACY TEST was made July 6 when a train of 40 cars, carrying 3,000,000 pounds of wheat, was loaded and weighed at Minneapolis for Duluth. Weights were taken by M. Fox, ass't state weighing inspector, and officials of the State Grain Dep't accompanied the grain enroute. At the Duluth elevator the big shipment was found to show a shrinkage of only 78 bushels, or about 2 bushels per car.

RECEIVERS of the C. R. I. & P. Ry. have filed tariffs effective July 1, adopting the Rock Island rates in Iowa by the Keokuk & Des Moines Ry. The towns from, or to which these rates are effective are Nobleton, Zacharys, Prairie City, Fairmount, Otley, Pella, Leighton, Beacon, Givin, Eddyville, Kirkville, Ottumwa, Cliffland, Selma, Douds, Kilbourne, Bentonsport, Bonaparte, Farmington, Croton, Belfast, Hinsdale, Sand Prairie, Sugar Creek and Keokuk.

INTERSTATE COMMERCE Com's'n, in deciding the Missouri grain rate case, has found in favor of the St. Louis Merchants Exchange and the Southwestern Missouri Millers Club. The C. & A., Missouri Pacific, and other carriers have been ordered to establish, on or before Sept. 1, rates on interstate shipments of grain and grain products from interior Missouri points to St. Louis. These rates must correspond with those contemporaneously applied on intrastate shipments from the same points.

REPORT of the Interstate Commerce Com's'n in complaint of St. Louis Merchants Exchange and Southwestern Missouri Millers Club v. B. & O. and C. & A. Rys., rules that absorption of elevation charges is made upon the theory that inbound and outbound movements comprise a thru movement and that the grain has been elevated in transit. Whenever the absorption is made the grain cannot lawfully move forward except at the balance of the thru rate.

COMPLAINT of the Sioux City Traffic Euro against rates on coarse grain from Great Northern stations in Minnesota and South Dakota to Kansas and Missouri points on the U. P. and K. C. S. Rys., was heard by the Interstate Commerce Com's'n on July 19 at Sioux City, Ia. The Com's'n also heard arguments against the grain rates on the I. C. and Omaha Rys., from Iowa points to Kansas City, Atchison and St. Joseph.

THE AKIN-ERSKINE MLG. Co., Evansville, Ind., has brot suit against the Erie and Southern Rys., alleging that 5 carloads of flour, awaiting transportation at Dayton, O., in the spring of 1913, were lost or damaged owing to floods. It is claimed that the cars were in a low section of the railroad yards, and as the flood had been predicted in Dayton the cars should have been removed to higher ground.

FOR ALLEGED SWINDLING of four railroads out of thousands of dollars, C. W. Parker, Chicago, has been arrested on a warrant issued by Federal Judge Landis. Parker is the head of the Interstate & Continental Freight Traffic Buro, and it is said he presented fraudulent damage claims. The alleged frauds were brot to light largely thru the efforts of former Gov. Folk of Missouri, who made a lengthy personal investigation for the Interstate Commerce Com's'n.

Car Spotting Charges Refused.

The Interstate Commerce Com's'n on July 12 made known its findings in the car spotting charges case, deciding that carriers in Central Freight Ass'n territory, including the New Haven, shall not be permitted to put into effect tariffs proposing charges in connection with placing cars on private sidings or tracks of industrial plants.

The tariffs in question were to have become effective on different dates, from April 20 to July 15, 1914, but were suspended awaiting decision of the Com's'n, and proposed a charge of 5½c per ton with a \$2 per car minimum. An order will now be issued requiring the cancellation of the tariffs.

It is generally believed that the Central Freight Ass'n carriers will immediately file new tariffs providing for spotting charges in those instances where terminal services are performed exceeding the services which custom has established should be performed for the line haul rate. But if the carriers demand a charge for the handling of cars at one market and perform a like service at another terminal with no charge other than the regular line haul rate it would amount to flagrant discrimination and would without doubt be discouraged by the Interstate Commerce Com's'n.

You Should Know the Exact Dockage of Every Load of Wheat

Don't try to guess at it, be sure of it; install

THE EMERSON OATS FROM WHEAT TESTER

Over 3,000 elevators now using this tester.

The EMERSON is the most convenient and satisfactory wheat tester made. The saving in wheat, time, mistakes and money soon pays for the Emerson. Write today for further particulars and list of users.

WM. H. EMERSON & SONS
DETROIT, MICH.



Wanted and For Sale

The rate for advertisements in this department is 20 cents per type line each insertion

ELEVATORS FOR SALE.

KANSAS—For Sale Elevator, coal and feed business at Manchester, Kansas. Address Bert Weaver.

IND.—8M bu. elvtr., flour, cement, coal business, town of 1,000. Address Luck, Box 2, Grain Dealers Journal, Chicago, Ill.

FOR SALE—Elevator and alfalfa mill and coal business, at a bargain. Good hay and grain locality. Address Hillrose Milling & Merc. Co., E. H. Link, Sec'y, Hillrose, Colo.

WANTED—Grain elevator and coal trade Central Illinois. Not less than two hundred thousand bushel station. Give full description and price. C. S. B., Box 2, Grain Dealers Journal, Chicago.

MISSOURI—10,000-bu. elevator, 7-room dwelling, large grounds and out buildings. Flour and feed house, all in fine repair. Located at Pleasant Green. Address Harriman Elevator Co., Green Ridge, Mo.

IOWA—Two modern elevators for sale. Located in best grain territory in northwestern Iowa. Finest prospects we have ever had. Attractive price for quick sale. Address Tyde, Box 10, Grain Dealers Journal, Chicago, Ill.

SOUTH DAKOTA—New cribbed 30,000-bu. grain elevator for sale in County Seat town. Bumper crop. One member of firm died and will take the first good offer. It is a snap. Write to Mesick-Stageland Co., Gettysburg, S. D.

SOUTH DAKOTA—One 18,000-bushel elevator and feed business in good town of about 650 on the C. M. & St. P. Ry. in southeastern South Dakota, located in best grain territory in the state. Write Mann, Box 10, Grain Dealers Journal, Chicago, Ill.

WESTERN OHIO Elevator, Handles 125 cars grain, feed, coal, salt and cement yearly. Located in one of best up-to-date business towns in western Ohio. Opportunity will not be open long. Address Ver, Box 1, Grain Dealers Journal, Chicago, Ill.

FOR SALE—20,000-bu. elevator within 100 miles of Chicago that handles over 200,000 bu. grain and 1,000 tons of coal annually. Located in town of about 700. Farmer El. competition. Business evenly divided. Price \$6,000. Good terms. Address James M. Maguire, Campus, Ill.

FOR SALE—Two Kans. elevators, carrying 12 side lines, coal and feed. Do big yearly business; crop prospect fine; not in exclusive wheat country. This proposition a splendid money maker and buyer immediately takes hold of paying business. Address Kas., Box 2, Grain Dealers Journal, Chicago, Ill.

ELEVATOR IN CENTRAL INDIANA with 2 acres of land and residence, for sale. Has metal sides and roof, cribbed bins, sheller and cleaner, feed grinder, motor power. In good grain belt; handle a number of side lines. Easy terms. A bargain if taken soon. Address Indiana, Box 2, Grain Dealers Journal, Chicago, Ill.

SOUTH DAKOTA—One modern and up-to-date 35,000-bushel elevator. Feed mill in connection. New 20-h.p. Fairbanks Oil Engine. Handles 130,000 bushels annually. Best wheat and corn section in South Dakota. Splendid Ry. accommodations. For further particulars address Soo, Box 10, Grain Dealers Journal, Chicago, Ill.

ELEVATORS FOR SALE.

MINNESOTA elvtr. Write H. F., Box 5, Grain Dealers Journal, Chicago, Ill.

KANSAS—Only elevator at good grain station. J. Jacobson, Formosa, Kan.

FOR SALE—Elevator at Porter, Minn., 22M cap., 3 scales, new motor, coal sheds, good station. L. K. Eaton, 910 New York Life Bldg., Minneapolis, Minn.

FOR SALE or rent: A 20,000 bushel capacity elevator situated in a fine grain growing community. Address H., Box 1, Grain Dealers Journal, Chicago, Ill.

RIVERSIDE Elevator and Warehouses, Memphis, Tenn., between the Frisco and I. C. tracks; near business center and all freight depots; capacity 300 cars. Webb & Maury, Memphis, Tenn.

OHIO—Elevator and tile mill for sale; cap. 20,000 bu.; built in 1905 on prl. ground and switch. New 25 h.p. gas engine. Tile mill run 4 years. No competition. Address B., Box 1, Grain Dealers Journal, Chicago, Ill.

FOR SALE—30,000 bu. new modern elevator within 125 miles of Chicago, handles 300,000 bu. annually with coal, seeds, etc. No competition and a splendid money maker. Town of 600. James M. Maguire, Campus, Ill.

INDIANA—Townley Iron Clad elevator for sale. 150 h.p. gasoline. Can handle around 100,000 bus. Black farm land. Substantial community. Price reasonable. Buildings 4 yrs. old. 2 acres land on Findlay Ft. Wayne Branch C. H. & D. R. R. Old age reason for selling. Write N. R. Spaulding, Monroeville, Ind.

KANSAS—New 10,000-bu. elevator, 9½ miles nearest competitor. Ships over 100,000 bus. per annum and so located that another elevator cannot be built at this point. Northeast Kansas and best corn crop in years in sight. Want to change on account of ill health. Address Rek, Box 2, Grain Dealers Journal, Chicago, Ill.

KANSAS ELEVATOR AT AUCTION. Aaron Kipp of Ellsworth, Kansas, will sell at Public Auction at Kanopolis, Kansas, his grain elevator, coal bins and warehouse, located on the Missouri Pacific right of way in Kanopolis, Kansas, on Saturday afternoon of July 31, 1915, at 2:30 o'clock. Col. P. S. Harper, Auctioneer.

ELEVATORS WANTED.

WANT to exchange 160 acres of land for elevator doing 100,000 or more per year. Must be within 50 miles of Blue Earth. Pfeffer Co., Blue Earth, Minn.

WANTED—To exchange ½ sec. of land in Lincoln Co., Colorado, 3 miles from Boyero, for elevator in the N. or S. Dakotas or Minn. Do not write unless well located and running. F. S., Box 1, Grain Dealers Journal, Chicago.

INFORMATION BURO

READERS DESIRING to learn by whom, or where any grain handling machine or device is made, can generally obtain it promptly by addressing Information Bu. Grain Dealers Journal, Chicago, Ill.

ELEVATOR BROKERS.

SELLERS list your elevators and buyers buy your elevators thru John A. Rice, Frankfort, Ind.—Reliable Broker 10 years.

ELEVATORS AT ALL PRICES FOR SALE ALL THE TIME. Get ready for the new crop and write, wire, or phone for an interview if you want to buy an elevator. I have what will suite you. James M. Maguire, Campus, Ill.

MILLS FOR SALE.

FOR SALE—Fully equipped 75-bbl. flour and feed mill, electric power. Present management 22 yrs. Best of locations in village of 7,000 people. To settle estate, surviving partner out of health, wishes to retire. Terms reasonable. Good opportunity. Wayne County Milling Co., Newark, Wayne Co., N. Y.

FOR SALE CHEAP—One three story custom feed mill, driven with 40 H.P. Gasoline engine, at \$7,000, together with residence at \$1,500. Located in the most prosperous dairy section of the state, on the Erie Railroad with sidetrack to mill and on Main St., in the village or Randolph, N. Y. E. D. Holdridge, Randolph, N. Y.

NEW YORK—Flour and feed mill of 30 bbl. capacity, rye or buckwheat; 3 run stones; 2 for flour and one for feed. Never failing stream, 12 ft. head, good log dam. On the Central New England Ry. freight depot on mill property. Property contains 3 acres of ground, very good house, mill building, barn, coal shed, wagon scales, etc., all in excellent condition. Henry Buerman, Gallatinville, N. Y.

WILL SELL, rent or take in miller as managing partner of 100-bbl. mill, 45,000-bu. elevator, twin Corliss engines; building 40x50, 4 stories, of brick, cement, iron and wood; engine and boiler room 62x30, of brick and cement, with iron roof. Designed and equipped by the Wolf Co. R. R. and water facilities for shipping. Mill on wharf. Good local and custom trade. Splendid place for company to buy grain for shipment to Philadelphia or Baltimore. Great quantity of grain grown here. I wish to dispose of plant and retire from business on account of death of my wife. D. S. Brockway, Greensboro, Md.

BUSINESS OPPORTUNITIES.

FOR SALE, the whole or one-half interest in a flour and feed mill proposition in the best city in the Northwest. There are perhaps a thousand men who would jump at this opportunity. Address G. F. Oster, Great Falls, Mont.

WHATEVER your business may be, it will find a ready market if advertised in the "Business Opportunities" column of the Grain Dealers Journal, Chicago, Ill. 6,100 grain men look to these columns twice a month for real opportunities.

BUSINESS OPPORTUNITY—For sale one-third interest for \$5,000, in a corporation specializing in mixed feeds. Good business established. Must take active part and be a hustler. B. G., Box 2, Grain Dealers Journal, Chicago.

AGENTS WANTED.

MR. GRAIN DEALER. Do you want to increase your profits? You can do so by selling King Lightning rods during your spare time. Write us for agency proposition. It's a winner.

Geo. M. King Mfg. Co.
609 E. Walnut St., DesMoines, Ia.

The GRAIN DEALERS JOURNAL.

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SITUATIONS WANTED.

WANTED—Position as solicitor with good reliable Grain Co. Can furnish references. Address D., Box 1, Grain Dealers Journal, Chicago.

WANTED—Position as manager of Farmers Elevator. Ten years' experience in grain business. First-class references. John McFadgen, Rogers, N. D.

FOREMAN—Wants a position in steam or gasoline plant. Can furnish best of references. Address Cass, Box 1, Grain Dealers Journal, Chicago, Ill.

MANAGER wants position in elevator. 2 yrs. experience. 27 yrs. of age. A No. 1 references. Write Van, Box 12, Grain Dealers Journal, Chicago, Ill.

WANTED—Position as grain buyer, seed buyer or elevator superintendent; 20 years' experience. Highest references. Address Henry, Box 2, Grain Dealers Journal, Chicago, Ill.

WANTED—Position as line house agent or manager Farmers Elevator. Have had 4 years experience in elevator. Live in Decatur, Ill. Address E. H., Box 1, Grain Dealers Journal, Chicago.

WANTED—Position as grain buyer or manager for Farmers or Independent Co. Can furnish best of references. Speak Norwegian fluently. Address E., Box 1, Grain Dealers Journal, Chicago, Ill.

WANTED—Position as Elevator Agent with Line House or Farmers Elevator Co. Eight years' experience. Can give A1 references and bond. Speak German. Married. Address 401 N. 3rd Ave., Dickinson, N. D.

WANTED position with some good grain company to travel in Neb., Iowa, S. Dak., or Minn. In the grain business 14 years and can furnish good references. Write Rye, Box 12, Grain Dealers Journal, Chicago, Ill.

BOOKKEEPER or cashier wants position with some good grain firm. 15 years experience; can handle cash and futures. Also traffic. Can give good references. Write A. J., Box 1, Grain Dealers Journal, Chicago, Ill.

WANTED—Position in grain elevator, had 1 year's experience as second man. Am fair judge of grain. Steam engineer by trade, also familiar with gasoline engines. American, 28 years, married. Expect \$50.00 per mo. Address W. H. K., Box 2, Grain Dealers Journal, Chicago.

POSITION WANTED—Manager Farmers Elevator or Line House Agent. Practical engineer, millwright and bookkeeper. 10 years' experience in grain, coal and implement business. Good ref. and bond. Address W. T. H., Box 2, Grain Dealers Journal, Chicago.

WANTED a position as solicitor with some good reliable Chicago grain company to travel in eastern S. Dak., Western Minn., and Northern Iowa. 15 years' experience in the grain business; best of references. Address Clare, Box 9, Grain Dealers Journal, Chicago, Ill.

WANTED—Position as Grain Buyer in some town or City. Have had 11 years experience in buying grain at Country elevator and desire to make a change. Am employed at present and can give any kind of references desired. Address Emp. Box 2 Grain Dealers Journal, Chicago.

MANAGER wants position; 5 years' experience in grain business, handling lumber, machinery, feed, flour, etc., as side lines. Married; 28 years old; understand bookkeeping thoroughly; prefer position with company handling large enough business to keep second man. Iowa or Minn. preferred. References from present employers. Write M. A. N., Box 12, Grain Dealers Journal, Chicago, Ill.

SITUATIONS WANTED.

SITUATION WANTED—Manager of County Elvtr., 7 years' experience. Address Sid, Box 2, Grain Dealers Journal, Chicago.

WANTED—Position as Grain Buyer in Montana preferred, in the locality of Billings. With last employers 3 years. Can furnish references. Address E. N. Box 2, Grain Dealers Journal, Chicago, Ill.

WANTED—If you need an exceptionally capable man, qualified in every way to conduct a successful grain business, a real producer of proven ability and you have a proposition that will remunerate commensurately, correspondence invited. Highest references furnished. Would invest liberally with services in good paying, legitimate proposition. Address Minn., Box 2, Grain Dealers Journal, Chicago.

ARE YOU looking for a position in any branch of the grain business? If you are send us your name, address, nationality, languages spoken, experiences, salary expected, references, in fact any information that will help an employer to form an idea of your ability to serve him. We will keep this information on file and from time to time place you in touch with elevator owners who seek competent help. This service will be absolutely free, placing you under no obligation whatever. Write today and get in line for a good position. Address—The Want Ad Man, Grain Dealers Journal, Chicago, Ill.

HELP WANTED.

WANTED—Buyer and operator for local elevator. Address H. P., Box 1, Grain Dealers Journal, Chicago, Ill.

WANTED—Thoroughly competent cash grain buyer. Also familiar with trading in futures. Address Pub, Box 2, Grain Dealers Journal, Chicago, Ill.

WANTED—Good competent buyer for Farmers Elevator in Southern Sask., none but experienced need apply; one who can speak French preferred. Address La Fleche Melaral Farmers Elevator Co., Ltd., La Fleche, Sask., Can.

WANTED—Manager for Farmers Elevator; must do all buying and selling. State age, experience, kind of experience and salary expected. No drinking man need apply. Address R. C. Blank, Perrinton, Mich. R. F. D. 1.

PROPOSALS.

PROPOSALS FOR FORAGE AND BEDDING.—Dept. Quartermaster's Office, 554 Federal Building, Chicago, Ill.—Sealed proposals will be received here until 11 a. m., Central Time, August 16, 1915, for furnishing forage and bedding at posts in Central Dept. during nine months commencing October 1, 1915. Information furnished upon application.

PROPOSALS for flour, oats, dried fruit, etc., Department of the Interior, Office of Indian Affairs, Washington, D. C., July 20, 1915. Sealed proposals, plainly marked on the outside of the envelope: "Proposals for flour, oats, dried fruit," etc., as the case may be, and addressed to the "Commissioner of Indian Affairs, Sixteenth and Canal Streets, Chicago, Illinois," will be received until 2 o'clock p. m. of Wednesday, August 25, 1915, and then opened, for furnishing the Indian Service with canned goods, corn meal, cracked wheat, dried fruit, feed, flour, hominy, oats, rolled oats, etc., during the fiscal year ending June 30, 1916. Schedules giving all necessary information for bidders will be furnished upon application to the Indian Office, Washington, D. C.; the U. S. Indian Warehouses at Chicago, Ill., St. Louis, Mo., and San Francisco, Cal. The department reserves the right to reject any and all bids, or any part of any bid. Cato Sells, Commissioner.

ADDRESS WANTED.

WANTED ADDRESS of G. S. Barnes, Jr., formerly of Wichita, Kan., and Minneapolis, Minn. Write S. E. E., Box 12, Grain Dealers Journal, Chicago, Ill.

SCALES FOR SALE.

FOR SALE—McLeod Automatic Scale, 1,500-bu. capacity; nearly new; at very low price. Condition O. K. Write today. M. P. Thielen Grain Co., Lucas, Kansas.

FOR SALE—Howe 6-ton wagon scale, double 1,000 pound beam, 22x8 ft. platform. As good as new. Will sell cheap. American Automatic Scale Co., Chicago, Ill., 20 W. Jackson St.

SOLICITORS' SIDE LINE.

WANTED men calling upon grain shippers to carry small book needed by every grain firm. Easy sales, large commissions. Address W. B. Granger, 507 Traders Bldg., Chicago, Ill.

SECOND-HAND BAGS AND BURLAP.

BURLAP BAGS OF EVERY KIND FOR SALE; new or second-hand, plain or printed with your brand; Seamless Cotton Grain Bags; Sample Bags, Burlap, Cotton Sheetings, or Paper for Car Lining, etc. Wanted: second-hand bags, best prices paid.

WM. ROSS & CO., 409 N. Peoria St., Chicago

ENGINES FOR SALE.

ANY KIND, ANY SIZE, ANY PRICE gasoline engine which is not in use and which you wish to sell, will find many ready buyers if advertised in the "Gasoline Engines" column of the Grain Dealers Journal, Chicago. Try it.

FOR SALE—BARGAINS.

1—12 HP. Badger Lauson	\$165.00
1—12 HP. Stover	275.00
1—20-25 HP. Nash, two cyl.....	385.00
1—22 HP. Fairbanks Morse	315.00
1—25 HP. Fairbanks Morse Special electric lighting engine	450.00
1—25 HP. Milwaukee	275.00
Badger Motor Co., Milwaukee, Wis.	

GASOLINE ENGINES FOR SALE.

44 H. P. Fairbanks-Morse.
25 H. P. Columbus.
25 H. P. Fairbanks-Morse.
22 H. P. Fairbanks-Morse.
15 H. P. Fairbanks-Morse.
12 H. P. Fairbanks-Morse.
6 H. P. Fairbanks-Morse.
4 H. P. Fairbanks-Morse.

Also fifty engines of varied sizes and all makes. Address A. H. McDonald, 547 W. Monroe St., Chicago, Ill.

ENGINES WANTED.

WANTED 10 or 60-h.p. oil engine, in good condition. G. E. Hotchkin, Minden, Neb.

Corn and Oat Tables

—ON CARDS—

Clark's Tables for wagon loads reduce any number of pounds of shelled corn, rye, flaxseed, ear corn and oats up to 4,090 pounds to bushels of 56, 70, 72, 75, 80 and 32, 33 and 35 pounds. Printed in two colors on heavy bristol board. Can be hung up beside scale beam for use by weighman. Price, delivered, 50cts.

Grain Dealers Journal

315 So. La Salle St., Chicago, Ill.

The GRAIN DEALERS JOURNAL.

MACHINES FOR SALE.

FOR SALE—Dickey & Pease Separator in good condition. Closing out. Johnson & Field Mfg. Co., Racine, Wis.

FOR SALE—King Buck Horn Machine in good condition at a bargain. Address C. C. Norton's Sons, Greenfield, Ohio.

FOR SALE—Seven 26x10 Allis Reels at \$100.00 each, f. o. b. Minneapolis. Good condition. The Albert Dickinson Co., Minneapolis, Minn.

MACHINES not in use can quickly be sold by an advertisement in the "Machines For Sale" column of the Grain Dealers Journal, Chicago, Ill.

FOR SALE—Double cleaners for grain or seed. Want to close at low price. Hundreds in use by grain men to their entire satisfaction. Write Johnson & Field Mfg. Co., Racine, Wis.

FOR SALE—Two (2) oat clippers in first class condition, also one (1) Owens oat separator, in good condition. Address Atlantic Elevator Co., 54 Chamber of Commerce, Minneapolis, Minn.

FOR SALE—A Barnard & Lease No. 34 recleaner, used but little and in good condition. Will sell to responsible parties on trial for only \$75.00. Cost \$250.00. Write for particulars. John Franklin, Beaver City, Nebraska.

WANTED—Grain Dealers who are contemplating installing new machinery to use the "Machines Wanted" columns of the Grain Dealers Journal in securing prices and estimates of machines for sale. We can save you money. More than value received.

FOR SALE CHEAP.

1 new elevator belt with 7x12 V shaped bucket.

1 Victor sheller, Eureka Clipper, Fine meal Bolter.

2 D. C. Motors, and large amount of belting, shafting, etc.
C. A. Wylie, Kewanee, Ill.

Can save and make money for you.

Entire line of remodeled guaranteed 2nd hand machinery must be sold within 30 days. Any size or make. Single and Double Head Attrition Feed Grinders and Corn Crackers. Single and Double 2 and 3 Pair High Roller Mills, Reels, Packers, Grain Cleaners, for all purposes. Boilers, Motors, Water Wheels, Burr Mills, Crushers, Shellers, etc. Can supply any thing new or 2nd hand for Flour or Feed Mill, Grain Elvtr., etc. Satisfaction guaranteed. Write for Prices at Once.

George J. Noth,
9 South Clinton St., Chicago, Ill.

Profit and Loss

GRAIN DEALERS JOURNAL

315 So. La Salle St., Chicago, Ill.

Gentlemen:—In order that I may increase my profits and avoid losses by keeping well-posted, please send me the *Grain Dealers Journal* on the 10th and 25th of each month. Enclosed find One Dollar and Fifty Cents for one year's subscription.

Name of Firm.....

Capacity of Elevator Post Office.....

..... bus. State.....

MACHINES FOR SALE.

FOR SALE—One W. W. Ingrahams Excelsior Separator and Grader combined. Can be used for clipping oats. Machine in good condition. Price reasonable. John Sprecher & Son, Independence, Wis.

95% EFFICIENCY IN CRACKING CORN.

Our Method—We have devised a new method for making cracked corn which will give you 96% efficiency and at the same time give you a product that is even and unexcelled in quality. In fact, we steel cut every kernel of corn instead of grinding them, which eliminates the fine or undesirable product to 4 per cent. Our method is not only for corn but is adapted for Wheat, Rye, Barley, Rice, Peas, Kaffir Corn, etc., also cutting the grains to any degree of fineness desired.

By using our special corrugation we increase your capacity 25% more than at present, with 20% less power and give you a finished product superior in every detail.

It pays for itself—Taking into consideration the power saved, the increase in capacity afforded, the extra quality in product made, and finally the elimination of almost all of fine material created under the old way (which sells for less than cracked corn) means that our method will pay for itself in a short time.

Under the old way, a cracked corn separator is necessary, but with our method for general work, this machine is not required.

The results already stated will save you money on each bushel of corn, also the extra quality of product your customers receive will please them to the end of satisfaction, which will mean more sales, larger sales and finally greater profits; taking this into consideration no wide awake, energetic feed mill operator should lose any time in investigating our method. Write for information at once stating the kind of mill you now use for cracking corn.

Samples of cracked corn made by our method will be sent to any one upon request.

B. F. GUMP CO.,
431 to 437 So. Clinton St.
Flour Mill and Elevator Machinery,
Chicago, Illinois.

YOU

Can find no present more acceptable to the progressive grain dealer than a paid up subscription to the *Grain Dealers Journal* of Chicago.

DYNAMOS—MOTORS

FOR SALE—Jenney Electric Motor, 50-h.p., 500 volt, 470 R. P. M., complete with starter; General Electric Motor, 75-h.p., 60 cycle, 3 phase, 220 volts; belt driven ball-bearing Attrition Mill. Write George D. Laing, Dixon, Ill.

DYNAMOS AND MOTOR BUYERS are reached in largest numbers and less expense by offering them for sale in the grain trade's accepted medium for power bargains—the "Dynamics—Motors" columns of the Grain Dealers Journal, Chicago.

DYNAMOS—MOTORS FOR SALE.

WRITE US for prices on any motor you need.

We are also motor repair experts. We do repairs quickly and correctly. We guarantee all repair work done by us. Send your work to us, we will treat you right.

Northwestern Electric Co.,
611-15 W. Adams St. Chicago, Ill.

GRAIN TRIERS

which will not clog or bind. Steel tubing fitted with maple pole. Point is turned of solid bar steel. Top is fitted with a bronze collar. Trier is 56 x 1½ inches and has eight openings.

OTTO KELLNER, JR., 4028 So. State St., Chicago, Ill.

SHIPPERS' CERTIFICATE of WEIGHT

Designed for the use of grain shippers who wish to make a written statement of the amount and grade of grain loaded into a car. Especially adapted for use in connection with claims for Loss of Weight in Transit.

Each ticket gives the following information: Kind of scale used; Station; Car Number and Initials; Shipper's Name; —lbs. equal to —bus. of No.; Date scales were tested and by whom; car thoroughly examined and found to be in good condition and properly sealed when delivered to the —R. R. Co.; Seal Record, name and number, sides and ends; marked capacity of car; date; and name of the weigher. On the reverse side of both originals and duplicates is a form for recording the weight of each draught.

Printed and numbered in duplicate. Originals on Goldenrod Bond paper and duplicates on tough pink manila in two colors of ink. Well bound with heavy hinged pressboard covers so they will open flat, containing 50 originals, 50 duplicates and four sheets of carbon paper.

Order Form No. 89 SWC. Price \$1.00.

Grain Dealers Journal, Chicago, Ill.

You Can Sell—Your Elevator

by advertising directly
to people who want to
buy, by using a

Grain Dealers Journal
Want Ad.

SEEDS FOR SALE—WANTED

GRAIN WANTED.

WANTED heavy, bright Montana oats and Barley. Lewis Grain Co. Chamber of Commerce, Buffalo, N. Y.

IF YOU WISH to get in touch with a large number of dealers who have grain of all kinds for sale, insert an advertisement in the "Grain Wanted" columns of the Grain Dealers Journal, Chicago.

FLOUR FOR SALE.

MIXED CARS of flour and mill feeds in 100 pound sacks are our specialties. We are now manufacturing a full line of corn goods, cracked corn, feed meal, corn and oats chop, Ohio Farm feed, shelled corn and standard oats, in connection with our flouring mill. Would like to send you a trial to convince you of the superiority of our products. Ansted & Burk Co., Springfield, Ohio.

SEED CODE WANTED.

COPIES American Seed Trade Code wanted. State condition and price. Address W. B. G., Box 2, Grain Dealers Journal, Chicago, Ill.

SEEDS WANTED.

NEW CROP—Wanted 2 Rye & Alfalfa seed. Quote car lots delivered with samples. J. T. Russell Co., Memphis, Tenn.

WE ARE IN THE MARKET for clover seed screenings now, and for the coming season. We will either contract for your entire output or buy your different lots by sample. It will be to your interest to confer with us before making any disposition of your screenings and low grade seeds. We will be glad to hear from you. J. M. King & Son, No. Vernon, Ind.

In Seeds, Toledo Leads

Toledo is the only market where futures of clover, alsike and timothy are traded in actively. Trades made in 50-bag lots and multiples. Usual wide range of prices during season offers investment opportunities. Further information on request.

SOUTHWORTH & CO.,
Second National Bank Building. Toledo, Ohio

**NUNGESSION-DICKINSON
SEED CO.** NEW YORK, N. Y.
EXPORTERS AND IMPORTERS
GRASS and CLOVER SEEDS

"MAY BELL" Brand Pure Field
WE BUY **SEEDS** WE SELL
ROSS SEED CO., Louisville, Ky.

**SECOND-
HAND**

Shellers, Cleaners, Clippers, Scales, Feed Mills, Steam Engines, Boilers, Gasoline Engines, Belting, Buckets, Conveyors or any other elevator machinery can be bought or sold quickly by placing an ad. in the "Wanted" or "For Sale" columns of the

**GRAIN
DEALERS JOURNAL
OF CHICAGO**

SEEDS FOR SALE.

FOR SALE—Parties wanting Sudan grass seed communicate with Lubbock Grain & Coal Co., Lubbock, Texas.

FOR SALE—Superfine tested Perennial and Italian Ryegrasses Crested Dogstail. John Lytle & Sons, Ltd., Belfast, Ireland.

SUDAN GRASS—Reliable Seed. Wholesale quantities. Advise quantity you can use for immediate delivery. Can fill straight car orders uniform seed. C. Ulery, Lubbock, Texas.

SEED BUYERS AND SELLERS can quickly sell any quantity or buy any amount or quality by making their wants known through the "Seeds Wanted—For Sale" columns of the Grain Dealers Journal, Chicago, Ill.

WE BUY AND SELL

Wheat Screenings, Cane Seed, Salvage Wheat, Kaffir Corn. Write or wire for prices.

HENRY LICHTIG & CO., Kansas City, Mo.

A SEED DEPARTMENT WILL ADD TO YOUR PROFITS

Buy well ahead from actual wholesale seed growers to receive lowest prices on highest quality.

Write today to

KELWAYS, LANGPORT, ENGLAND

CRABBS REYNOLDS TAYLOR CO.

Crawfordsville, Ind.

GRAIN

CLOVER AND TIMOTHY SEEDS

Get in touch with us.

CRIMSON CLOVER

I. L. RADWANER

NEW YORK

L. Teweles Seed Co.
Grass and Field Seeds

MILWAUKEE - - WISCONSIN

The Toledo Field Seed Co.
Clover and Timothy Seed

Consignments solicited. Send us your samples.

Toledo, Ohio

THE ILLINOIS SEED CO.

CHICAGO, ILL.

WE BUY AND SELL

FIELD SEEDS

Ask for Prices. Mail Samples for Bids.

Directory Grass Seed-Trade

ATCHISON, KANS.

Mangelsdorf Bros. Co., The, wholesale seeds.

BALTIMORE, MD.

Buffington & Co., John J., whse. seed merchants. Scarlett & Co., Wm. G., whse. seed merchants.

BELFAST, IRELAND.

Lytle & Sons, Ltd., John, Per. & Ital. Ryegrasses.

CHICAGO, ILL.

Dickinson Co., The Albert, seeds.

Illinois Seed Co., The, grass and field seeds.

EVANSVILLE, IND.

Small & Co., W. H., seeds, grain and hay.

INDIANAPOLIS, IND.

Indiana Seed Co., The, Seed Dealers.

KANSAS CITY, MO.

Missouri Seed Co., who. exp. and imp.

Peppard Seed Co., J. G., grass and fd. seeds.

Rudy-Patrick Seed Co., wholesale seeds.

LANGPORT, ENGLAND.

Kelway & Son, wholesale seed growers.

LOUISVILLE, KY.

Louisville Seed Co., clover and grasses.

Ross Seed Co., field seeds, exporters.

MILWAUKEE, WIS.

Courteau Seed Co., field seeds.

Teweles & Co., L., grass and field seeds.

NEW YORK, N. Y.

Nungesser-Dickinson Seed Co., who., exp. & imp.

Radwaner, I. L., field & grass seeds, exp., imptrs.

PHILADELPHIA, PA.

Philadelphia Seed Co., Inc., The, whse. field sds.

ST. JOSEPH, MO.

Mitchellhill Bros., grass and field seeds.

TOLEDO, OHIO.

The Toledo Field Seed Co., clover, timothy.

TIMOTHY SEED

Do you want to know about the best timothy seed proposition in the country? We've got the biggest seller. You get more than so much seed. You get expert advertising and selling co-operation to help you sell the seed to your farmers.

Ask for prices and particulars.

The Albert Dickinson Co.
Seed Merchants
Chicago Est. 1855 Minneapolis

**WET WHEAT }
WET OATS } NOW
WET IMMATURE CORN—Later**

You'll lose a lot if You Don't Order That

HESS GRAIN DRIER, NOW

We can serve you promptly now, but later on **somebody** will have to wait. Why not get busy and make preparations while you have time?

HESS DRIERS and **HESS OUT-DOOR CONDITIONERS** will **make** a lot of money and **save** a lot of money for their owners this season.

HERE'S WHAT WE CALL PROMPT SERVICE:

MONDAY, A. M., 10:00 O'Clock—The Highland Milling Co., Highland, Ill., called up over long distance and ordered a Hess Ideal No. 3 Drier—Price, \$900.00; Capacity, a carload a day.

MONDAY, P. M., 4:00 O'Clock—The drier was shipped and left Chicago the same evening.

TUESDAY, P. M. 1:00 O'Clock—One of our drier experts arrived in Highland and arranged the preliminaries for installing the machine.

ABOUT NEXT TUESDAY—That machine will be drying wheat.

For a while we can give you just such service, but when the ready-to-ship supply is gone then there will be delays. Do YOU want to be one of those who wait? *Ask us more about it.*

HESS WARMING AND VENTILATING COMPANY

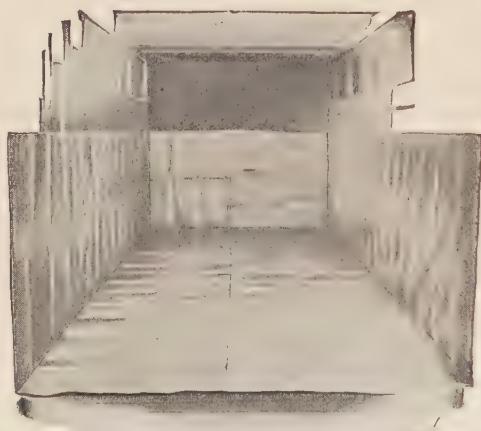
907 TACOMA BUILDING, CHICAGO

Moisture Testers also for all kinds of grain

Gold Dollars as Railroad Ballast—

That's what it virtually amounts to when the grain you are shipping and for which you paid good hard earned money is leaking from bad order cars while in transit. Your grain—your dollars—as ballast. Save this ballast and keep the profit where it belongs. Now that grain is commanding such a high price, don't you think it a poor business proposition to ship in inferior cars without equipping them with adequate liners?

KENNEDY CAR LINERS



offer you the greatest and cheapest protection against loss of grain in transit. They stop your losses—deliver your grain in as good condition as when it left your house and eliminate all shortage disputes due to transit leakage.

Bear in mind that the prospects indicate that there'll be another big crop this year and you will be compelled to load bad order cars. Don't wait until that bad order car is on your siding—prepare now. Write today.

The Kennedy Car Liner and Bag Co.
Shelbyville **Indiana**

GRAIN DEALERS JOURNAL

[Incorporated]

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THE ADVERTISING

value of The Grain Dealers Journal as a medium for reaching progressive grain dealers and elevator men is unquestioned. The character and number of advertisements in its columns tell of its worth. If you would be classed with the leading firms catering to the grain trade, place your announcements in the Journal.

Advertisements of meritorious grain elevator machinery and supplies and of responsible firms who seek to serve grain dealers are solicited.

LETTERS

on subjects of interest to those engaged in the grain trade, news items, reports on crops, new grain firms, new grain elevators, contemplated improvements, grain receipts, shipments, and cars leaking grain in transit, are always welcome.

Entered at the Chicago, Ill., Post Office as Second-Class Matter Aug. 5, 1898.

CHICAGO, JULY 25, 1915

"BLACK RUST! BLACK RUST!" has been the cry of the Crop Killers' Union for some time, but the trade at large has not been much disturbed by the unwarranted warning.

SOUTH AFRICA is now shipping corn to the United Kingdom and if the price at our seaboard keeps up no doubt some of the eastern trade will be supplied from this new source.

IF THE ALLIES are determined to have the Dardanelles opened, they should immediately enlist the rank and file of the Crop Killers' Union in the work. The dopesters had the Dardanelles opened last Thanksgiving, but up to the present writing Russia has not sent any of its surplus wheat that way.

KANSAS HAS a new law designed to regulate public warehousemen so that hereafter country elevator men who store grain for different owners must of necessity take out a license and pay a fee to the state. If the fool politicians will provide sufficient regulations and heavy taxes to discourage all storage of grain in country elevators they will perform a beneficial service to both grain grower and elevator operator. Every live grain dealer would have liked to have stopped the practice of storing the farmers' grain years ago, but bullheaded competition has prevented the general adoption of the needed reform.

SO MUCH damp grain is being marketed in different parts of the country nearly every elevator man wishes he had a first-class drier in working order. Most stations in the grain surplus states would find one drier a very profitable investment.

SHIPPERS of barley mixed oats owe it to themselves to bill and brand their shipments what they are, else the pure food inspectors of the Agricultural Department may take it upon themselves to confiscate the shipment for misbranding. It does not matter to these inspectors whether or not nature produced the shipment as it was loaded into the car. All they require is that each shipment be accurately branded.

THE CAUTIOUS OPERATOR is just as careful about insuring the contents of his elevator as he is to guard the plant itself from fire, knowing that the grain in storage is often worth as much as the building. The folly of trying to save a few dollars annually by neglecting to guard against loss of grain in storage is brot out forcibly in the Illinois news columns of this number, where is reported the total loss of many thousands of bushels of uninsured grain.

A RUSTY NAIL has been the cause of a very painful and serious accident to a Kentucky grain man, but fortunately he escaped with his life and without the need for amputation. Often, however, the results are different, the casualties from this seemingly insignificant danger being greater than those from dust explosions. The country operator who would play safe should obtain one of the many good "safety-first" appliances on the market, and give it a conspicuous place in the elevator.

EXPLOSIONS of grain dust must be expected to occur in elevators in ever increasing number unless more care is exercised in the collection of and removal of the dust. Too many elevator superintendents occasionally throw off their dust collecting system because it takes so much power. This is very short-sighted economy. With the improved fans and dust collectors now on the market there remains no excuse for cutting out the dust collecting system. The explosion in the cupola of the West Shore Elevator at Weehawken, N. J., last week is much like the one which occurred in the old Sunset Elevator at Galveston in March, 1914. In both cases the side walls were blown off. The installation of modern up-to-date dust collecting apparatus is not of itself enough to protect an elevator from destruction by dust explosion. The dust collecting system must be kept in working order and in operation, else no protection from this dangerous hazard will be obtained.

FALLING LADDERS annually injure hundreds of persons in the grain trade both at country stations and along the inspection tracks of terminal markets. With the recent introduction of various safety feet attachments, and the announcement of a new ladder especially for the grain trade, the crop year just opening should show a decrease in the number of accidents traceable to this cause.

AN ECHO of the floods in the spring of 1913 was heard last week when an Evansville, Ind., shipper filed suit against the Southern and Erie Ry. for the loss of 5 carloads of flour. That favorite and worn out excuse of the carriers, An Act of God, will undoubtedly be resurrected and made to fit the case, altho damage by water threatened for a whole day without the railways attempting to move the flour to higher ground.

CAR LINERS have assisted so effectively in reducing the shortages in grain shipments the wonder is any grain shipper would longer consider the entrusting of his grain to an old worn out car without first coopering it carefully and lining it thoroly with paper or burlap. The frequently expressed conviction of shippers who have used liners is overwhelmingly against loading bulk grain into any but absolutely perfect cars without using liners.

SPOTTING CHARGES have found no favor with the Interstate Commerce Commission, in fact the Commission has recently issued a decision which will bar the railroads from assessing shippers with this extra charge. It has been the general understanding of the shipping public and of the railway officials, that the hauling charge covered the cost of spotting cars for loading and unloading, and the Commission in its recent decision upholds this contention.

GRAIN DEALERS who own elevators on railroad right of way will be interested in a suit pending in North Dakota, to have an assessment for real taxes on an elevator set aside. The State Tax Com's'n maintained that the assessment of the railroad's right of way did not cover the elevators erected on any part of the right of way. Dealers in many states have escaped taxation on buildings because of their standing on railroad right of way, but the time seems near at hand when they will no longer be able to do this. As the renters assessed by the railroads increase and the counties assess the elevators for real taxes the grain dealers will be less anxious to obtain elevator sites on railroad right of way. In fact, in many places they are now paying more for the privilege of being on railroad right of way than it would cost them to maintain the same plant on adjacent ground of their own.

The GRAIN DEALERS JOURNAL.

OFF GRADE WHEAT promises to make a world of trouble for country buyers who do not buy it right. Many Nebraska dealers are refusing to accept at any price grain which is not dry.

A REMARKABLE TEST of scale accuracy and railroad efficiency has just been completed thru the shipment of a trainload of wheat from Minneapolis to Duluth, the 40 carloads showing a shortage at the Duluth elevator of less than 2 bushels per car. In the accurate handling of this shipment the railroads have shown northwestern shippers what they can do with the exercise of a little care and operators should consider the feat as a precedent for the future.

ST. PAUL seems doomed to have a co-operative terminal elevator, whether it is needed or not. The promoters of the Equity Exchange recognize the need of an elevator which will facilitate its handling co-operative shipments. If the farmers build a large terminal house at the Minnesota capital for handling their own grain they will pay most dearly for the privilege. What the grain growers need is a live, active market, where the demand is sufficient to absorb all offerings at a good price continuously. By building an elevator to handle their own shipments at the terminal the growers do not get as near to the consumer as when grain was shipped to Minneapolis—the millers' market—and they must assume the liability for the vacillations of the market.

MILLERS as well as some grain dealers are recognizing more and more the necessity of discriminating in favor of good wheat and against the poor. The buying of wheat according to its test weight and cleanliness has been favored frequently at meetings of grain dealers, and millers in nearly every section of the country have long discounted wheat which would not test 59 pounds and paid a premium for choice wheat which tested more than 59 pounds. An Illinois ass'n has recently adopted a schedule of discounts and premiums based upon the true milling value of wheat. Wheat dealers everywhere must eventually adopt some equitable scale of premiums and discounts or else, by their continuing to pay the same price for all wheat, discourage any farmer from attempting to produce wheat of the better quality. It now seems assured that the new Federal Grades for wheat, which will no doubt be promulgated in the near future, will be governed largely by the test weight, so that wheat dealers who depend largely upon the testing kettle for the milling value of wheat tendered them will have the ice broken for the quick introduction of the Federal Grades when the government adopts them, as they are sure to do before the 1916 crop moves.

DAMP GRAIN can be handled with less danger of heating if country elevator operators will run it thru a cleaner and subject it to a strong blast of air before loading into cars. The air will take out not only some of the moisture but much of the dirt.

VALUATION STATEMENTS should not be placed on Bs/L by grain shippers. We have pointed out several times during recent months that this practice was not required by law or regulation, hence shippers do not promote their own interests by writing valuation on Bs/L.

COMPENSATION LAWS and casualty insurance have received their full share of attention from employer and employees during the past year, with the result that more is being done not only to prevent accidents, but also to insure the employee against want and the employer against damage suits in case of accidents. No one identified with the grain trade wishes misfortune to an employee, or annoyance and expense to an employer, but thru the promotion of the good work being conducted by the mutual casualty companies, the employer and employee are being brought closer together and many accidents prevented. Notwithstanding the reduction affected in the number of accidents due to guards and warnings, the trade suffers from far too many unfortunate accidents in the elevator. Any one doubting this can get ample proof to the contrary by reading the news columns of any number of the Journal.

THE COST of handling grain seems to be attracting more attention from country elevator operators than ever before, and wherever the subject is seriously discussed, many dealers admit that they have not been making expenses. The dealers at Joplin last week agreed that wheat could not be safely handled on less than 5c margin, and were unanimous that it was folly to attempt to handle corn or oats on less than 3c margin. This subject has been under discussion for several years, but few dealers seem to have been willing to acknowledge that they had long been paying for the privilege of handling the farmers' grain, besides boarding themselves. The wonder is they have not awakened to their loss before this. When better systems of accounting are adopted by the grain dealers of the land, more eyes will be opened to the real losses suffered. Far too many dealers are attempting to conduct the grain business with a check book and a spindle for the city scale tickets. Such slip-shop methods of keeping track of the business are designed to keep the elevator operator in the dark until the close of the crop year, when the elevator is empty, and the banker informs the dealer that he lost over \$900 on the crop.

THE OPERATOR of a freight traffic and claim buro at Chicago has been arrested charged with collecting fraudulent claims from four railways. Grain shippers who have been victimized by buros of this character without being able to obtain any concrete evidence might forget for the time being their grievances against the carriers, and if the alleged frauds are found to be genuine offer assistance in obtaining conviction.

SOME DEALERS say that corn will be graded with the exactness of a chemical laboratory if the grain trade follows the instructions laid down by the Agricultural Department in Bulletin 168. It may seem somewhat doubtful to many grain dealers as to the necessity of making such fine discriminations in classifying so coarse a product but it will not be necessary to make a careful analysis of each sample. It will be a material advantage to have standards established so that in case of a dispute the difference can be adjusted equitably and to the satisfaction of all parties concerned. Many differences have arisen over grading in the past and many others will arise, but the closer the trade at large studies the rules and their application the sooner will all come to an uniform understanding of what is intended. Until all graders and inspectors have a uniform understanding of what is meant by the rules uniform practice cannot be expected.

THE FEDERAL BURO of Rural Markets has not yet succeeded in establishing its value or worth to any section of the grain trade, but California politicians have discovered in the scheme one more game to get the people's money. That state has just appropriated \$25,000 for the establishment of a new commission to be known as the Market Buro Commission. Competition among specialists in the marketing of farm products has developed ways and means far in advance of any politicians ever have or ever will think of. Private merchants, spurred on by selfish interests, devote years of close study to the marketing of different commodities, and involuntarily will attain an efficiency the politician, who has a 4-year trial, can never expect to attain. Too many of the short-sighted schemes for displacing the middleman result only in the transfer of his burdens to inexperienced hired men who have no real interest in permanent success. When the government confines its work to controlling and regulating business the producers and consumers will be much better served and the cost of the service kept to a much lower figure than greedy grafters can ever be expected to tolerate.

Discounts Heavy on Low Grade Wheat.

Wheat shippers who load damp wheat into tight box cars must expect to suffer a discount in keeping with the percentage of off grade wheat arriving in market the same day with their own poor stuff. Damp wheat well bought is easily sold at a satisfactory figure, but country elevator men who accept damp, dirty, tough stuff on farmers' contracts for No. 2 must expect to realize a heavy loss when their shipment reaches market, and if the damp grain is long detained in a hot box car, the discount may be even more generous than they had ever dreamed of getting. The consuming trade will not accept off grade wheat on its contracts for No. 2, even though country shippers be disposed to do so. The man who accepts a lead dollar at par must not expect to pass it on to the next man without 100% discount.

That terminal buyers are warranted in demanding heavy discounts is shown by the record of receipts by grades on the new crop at Chicago. During the first five days of the past week 107 cars of winter wheat were graded No. 4, against 148 cars of No. 2. For the month of July, 1914, only 440 cars graded No. 4, against 12,491 cars No. 2. A year ago only 3 per cent of the new winter wheat graded No. 4 as compared with No. 2, while during the past week the No. 4 was 72 per cent of the No. 2.

The discounts taken at present at the beginning of the movement of the new crop have been reasonable, No. 4 winter wheat selling at Chicago 8 to 10 cents under No. 2. As soon, however, as the mixers and the elevator men equipped with driers become filled up the discount on the low grades can be expected to widen and remain exorbitant for several months to come, as in 1912. Late in July that year the No. 4 sold 6 cents under No. 2, but during September, October and November ruled 20 to 25 cents under No. 2.

Damp wheat positively can not be stored safely, as it will become bin-burned. It must be dried artificially either before shipment or immediately after; and dealers in the country who have a considerable quantity of the damp wheat in sight must govern themselves accordingly by buying it at a big discount, and when practicable equipping their houses with driers.

CORN BUYERS who would like the privilege of hedging against purchases of small amounts, should give reasons why trading in lots of a thousand bushels should be encouraged by the grain exchanges. No doubt if there is an insistent demand from the country shippers for a change which will permit them to hedge against small amounts, the change will be made.

Asked— Answered

[Readers who fail to find information desired on any subject of interest to grain dealers should send us their query for free publication here. The experience of your brother dealers is worth consulting. Replies to queries are solicited.]

Ascertaining Bushels in Car?

Grain Dealers Journal: Is there a formula for ascertaining any number of bushels in a car of oats by measuring the cubic contents? Is the formula different for barley?—R. E. Jones Co., Wabasha, Minn.

Ans.: A book of 60 pages giving formulas for finding the number of bushels of any grain in cars by measurement entitled "Weighing Grain in Car Lots" without scales has been compiled by Fred P. Miller. Theoretically the number of bushels can be found by dividing the number of cubic inches in the loaded part of car by 2,150.42, the number of cubic inches in a bushel; but Mr. Miller has improved on this method by using a different divisor for each different test weight per bushel. For oats testing 32 lbs. his divisor is 1,800, and for barley testing 48 lbs. it is 1,900.

Is Carrier Liable for Wrecking Warehouse?

Grain Dealers Journal: A car of the M. P. Ry. Co. recently ran into and demolished a warehouse on the railroad right of way, when it suddenly jumped the track. Can the carrier be made to replace it? The road claims it is not liable because of a clause in the lease which releases it from responsibility.—O. G. Bicknell & Co., Hannan, Mo.

Ans.: A decision in a similar suit was given in the Journal of April 25, page 557, the Supreme Court of Kansas on Mar. 6, 1915, in the case of Griffiths Grain Co. v. St. J & G. I. Ry., holding the carrier not liable for wrecking of the elevator, as a clause in the lease of site on railroad right of way released the railroad company from payment of damages if the buildings were wrecked or burned.

Want Car Condition Reports.

Grain Dealers Journal: Why is it that on return sales of grain shipped to Chicago no car condition blank is furnished? At Peoria, St. Louis, New Orleans and all other markets these are furnished, giving seal numbers and condition.

We have had cars go into Chicago, returns show a shortage from our weights, and on writing in we find that the car had arrived there leaking. While it may be possible to collect a claim without this bit of evidence, it always is "respectfully declined" until given a collection bureau.

We would appreciate these with each car, because even if the car is in good condition on arrival, the shipper likes to know it.—El Paso Elevator Co., El Paso, Ill.

Ans.: All cars handled here are inspected when delivered for unloading by an inspector of this department, who records seals and physical condition of such cars. When certificates of weight are issued for the cars, a car condition blank is made out for each car showing any evidence of having leaked, and is attached to the weight certificates for such car and delivered to the shipper or consignee or the representative of the shipper.

This plan is followed out in each and every case, and there must have been some mix-up or accident to the leakage certificate issued for the cars to which the El Paso Elevator Co. refer, or they would have received the leakage reports with the certificates of weight.

As to the investigations made for the purpose of locating responsibility of weight

differences, it is our practice to trace the movement of such cars here, to locate leakage in transit if any, possible theft or other irregularities, and to investigate the weighing of grain and the equipment used, and to send a detailed report of our findings to the shipper for his information and disposition.—H. A. Foss, Board of Trade Weighmaster, Chicago.

Measure of Damages for Telegraph Error.

A decision favorable to the grain shipper was rendered by the Supreme Court of South Dakota June 21, 1915, in the suit by James Carlon, of the Carlon Elevator Co., Armour, S. D., against the Western Union Telegraph Co. to recover damages for transmitting a message quoting an offer to sell 5 cents per bushel lower than as filed.

Mr. Carlon wired the buyer at Miles, Ia., offering a car of oats at 45 cents per bu. on track at Miles, but thru the negligence of plaintiff the message read 40 instead of 45 cents. The offer was accepted, and plaintiff in ignorance of the error shipped a car of oats and afterwards settled at 40 cents per bushel.

Defendant alleged that the value of the oats at Armour was the proper basis upon which to rest plaintiff's damages, while plaintiff alleged that the proper basis was the value of these oats for the purpose of shipment to and sale in the terminal markets.

Defendant cited the following from 37 Cyc. 1773: "Where the negligence of the telegraph company results in goods being shipped and sold in a certain market, when, but for such negligence, they would not have been shipped at all, the measure of damages is the difference between the price realized by the sale and the value of the goods at the place of shipment, plus the cost of handling and freight."

The Supreme Court held: There was no duty devolving upon respondent to purchase other oats to replace these oats sold and thereby reduce defendant's liability. There may have been no other oats that could have been purchased, but even if there were the plaintiff had the right to purchase such oats and make a profit by selling them just as he might have done if he had suffered no loss in his shipment to Miles, and the fact that he could purchase other oats is absolutely foreign to any issue in this case.

Appellant contends that owing to the fact that the minds of respondent and his purchaser never met respondent could have collected the market price at Miles; and that such market price being alleged to have been 45 cents, the loss, if any, suffered by respondent was due to his fault and not to that of appellant. While respondent's complaint did allege the market price at Miles, it also alleged facts showing the shipping value of the oats at Armour for purposes of shipment to the usual terminal point, Chicago. The case was tried throughout upon the theory that the value of the oats at Armour controlled. Judgment in favor of plaintiff affirmed.

PROSPECTS for the Russian wheat crop are favorable and the yield per acre will probably show a 10% increase over last year. The net yield, owing to reduced acreage and other war conditions, will perhaps be slightly reduced, and the labor shortage and insufficient supply of twine is expected to cause considerable waste in the crop. The Russian government has arranged for the purchase of \$1,900,000 worth of twine in the United States for shipment in July, but this will only assist in the harvesting in the late northern districts. The existing shortage of cars would make any rapid exportation of wheat impossible even if the Dardanelles were opened.—Commercial Attaché H. D. Baker, St. Petersburg.

Letters

[Here is the grain dealers' forum for the discussion of grain trade problems, practices and needed reforms. When you have anything to say of interest to members of the grain trade, send it to the Journal for publication. It may draw out the views of others.]

Favors Compulsory Arbitration.

Grain Dealers Journal: There can only be one answer to the final and complete success of handling the grain business and that is a system of compulsory arbitration which will insure a Western man trading with an Eastern man or an Eastern man trading with a Western man being in a position of going to one final tribunal on arbitration and this can only be brought about by national and affiliated associations having absolute and compulsory arbitration rule.—C. W. Lonsdale, Kansas City, Mo.

Shipper Often Responsible for Shortage.

Grain Dealers Journal: I have read the interesting letter of H. A. Butts, Galveston, appearing in the July 10th Journal. Grain claims are very much abused, the railroads paying many which should not be paid. If shippers knew their business, and attended to it, these claims would not occur.

The original and terminal weights must be correct; clean handling in elevators is a factor, and the condition of cars in which it is transported is important. Good elevators show very little waste, unless the grain is scoured or cleaned, and it is the shipper's duty to see that no grain is lost in transit by loading only good cars. If cars show defects they should be either refused or corrected with good lumber and burlap. This would do away with claims, except where cars are damaged on the road thru collisions or rough switching, or where the drawbar pulls out.

Our grain at all 4 stations is weighed over city scales when bot from the farmer. The only stuff we weigh ourselves is a small amount of track bot grain, and this invariably is weighed correctly. Most of the grain is sold to local manufacturers of corn or oats products, these factories having a reputation of giving 16 ounces to the pound. We have handled over 1,500 cars of grain in this way, more than 100,000,000 lbs., and the corn shrinkage is only $\frac{1}{4}$ of 1% while on oats it is $\frac{3}{8}$ of 1%. This is merely a natural shrinkage and the low point has been obtained by careful work and selling only to those with good weighing facilities and methods. Of the 1,500 cars we have had only 6 claims, all caused by accidents, and these claims were promptly paid without the assistance of courts. These figures can be verified at our office, or the claim dep't of the C. M. & St. P., on which we do business, will bear out the statement.

It would be interesting to hear if any other concern has handled this amount of grain with better results. We are members of no association, but if we had anything to arbitrate we would present it where arbitration was in order, and believe we would get our just dues.—J. H. Phelps, Lost Nation, Ia.

Waste of Time at 'Phone.

Grain Dealers Journal: The grain and coal men who are soliciting business from the country dealers do not increase their popularity with their customers by giving their 'phone operators the names of ten or twelve people to whom they wish to talk and keep the other nine or eleven as the case may be waiting while they talk to the one. The country dealer has his 'phoning and other important matters to attend to every morning and is not put in a very good humor to do business by waiting at the 'phone five or ten minutes while the other fellow transacts his.—C. O. Barnhouse, Agosta, O.

Warning Against Fake Casualty Insurance.

Grain Dealers Journal: I liked your article on "Reducing Elevator Accidents." I had an accident some time ago and had a policy paid up seven months ahead of the date of the accident, but found the policy wasn't worth the paper it was written on. I wish to warn brother dealers to guard against taking out policies in casualty insurance companies without first investigating the reliability of the company. Dealers having any one dependent upon them would, in case of accident, leave them in bad shape with some of the accident insurance policies now being written.—Yours very truly, D. M. McKenzie, Anthon, Ia.

Finding the Grain Shortage.

Grain Dealers Journal: The recent convention of Ohio grain dealers brot out many interesting comments on the farmer, especially as regards his integrity in business. Some believed the farmers, as a class, to be just as upright as any other set of men, but others testified to shoveling half a load of sand out of the wagon dump after Friend Farmer left for home with his money.

The brazen methods of a farmer in the latter class recently caused an Ohio shipper considerable worry and loss of money. The dealer's complaints to the terminal market of shortages were so numerous that the receivers felt warranted in investigating. One of the market's grain inspectors was sent to solve the problem.

Careful testing proved the shipper's scales correct, the bins of the elevator were found leak proof, as were the loading spouts and other equipment. To determine these facts to the satisfaction of the inspector required a week's time, after which he was discouraged and ready to abandon further search. When starting for home he stumbled upon the solution by accident.

While bidding the dealer farewell a farmer drove on to the scales with a load of grain. After taking the gross weight the dealer asked that instead of dumping he haul it to a partially loaded car about two blocks away. The inspector passed that car on his way to the depot a few moments later and was surprised to find the wagon, still loaded, outside of a nearby saloon. Before train time the farmer emerged, wiped his beard, and mounting the wagon started the load back towards the farm, with the evident intention of repeating the performance the next day.

The inspector forgot about his train and hurried back to the dealer's office. He learned there it was common practice, if a farmer had good clean grain, to let him load right into a car, thus sav-

ing the cost of elevating. "The farmers are all old friends of mine, and I know all of their weights," the dealer added. When told what had just transpired he had a near stroke of heart failure, and when sufficiently revived hurried to the home of the farmer, where an admission of guilt and a liberal settlement was quickly forthcoming.—C. G. I.

Expensive Experiences With Barn Builders.

Grain Dealers Journal: Some dealers have not yet learned that there is a difference between a grain elevator and a "grain box." A Farmers Elvtr. Co., Yale, S. D., desided to build an elevator some time ago and employed a local contractor. It is reported the elevator cost them \$9,000, and when the building was completed and turned over to them, they were unable to elevate the grain which had been dumped. After this difficulty had been corrected, other things came up which prevented their operating the house. It then cost them an additional \$1,000 before they could operate their house and do business, and they still have a building which is very unsatisfactory.

The usual custom of the barn builder, house carpenter and others who endeavor to erect grain elevators is to advise the company contemplating building that they will take the contract for \$100 less than the lowest bid submitted. We know of a recent case where Mr. Barn Builder's bid was about \$1,000 below bids of reliable contractors on a 25,000 bu. elevator. The new company finally decided to let the local carpenter have the job, and will undoubtedly spend many weary hours wondering why they did so, when the house is completed and cannot be operated.—Yours truly, J. F. Younglove, Sioux City, Ia.

CENTRAL STATISTICAL COM'ITE, reporting on yield of winter cereals in 54 governments of European Russia, estimates rye for 1915 at 109,540,000 quarters; wheat, 37,571,000 quarters, and barley, 958,000 quarters. Rye acreage is 64,992,-400; wheat 17,012,088, and barley 365,070.

MANY INSTRUCTIVE PAPERS were read at the recent Interstate Cereal Conference, held at Berkeley, Cal., on the improvement of barley, effect of alkali salts, water requirements of cereals, and the diseases of barley and their control. Those in attendance inspected the crops in the vicinity of Stockton, after which they made a tour of the California experiment farm at Davis.

SPECULATIVE BUYERS are needed to prevent foreigners from entirely dictating the price. Speculation equalizes prices. It helps to prevent violent fluctuations. Futures enable millers, grain dealers and farmers to hedge against declines and to realize on bulges. They must buy when farmers wish to sell. Future trading and speculation make hedging possible. There must be a buyer for every seller. The speculator takes the hedge and carries the load. If dealers and millers could not hedge they would suffer from declines. Small dealers would find their credit restricted at the banks, especially on war markets. Large dealers with big capital could weather stormy markets but small dealers might be forced out of business. This would tend to kill competition and make monopoly, another Standard Oil Company. Future trading and speculation are the best friends of competition.—C. A. King & Co.

First Country Elevator in Louisiana.

The war having taught Southern farmers that a diversified agriculture is more profitable than reliance on the single crop of cotton many have devoted a considerable acreage to grain crops, and probably many more would have done so had they been assured of marketing facilities.

A good market for their grain crops has been assured the farmers near Newellton, La., by the erection of the elevator shown in the engraving. Newellton is in eastern Louisiana not far from the Mississippi River and with shipping facilities on the St. Louis, Iron Mountain & Southern Railway. The plant was finished June 20 and is now handling the excellent crop of oats.

The elevator is on a concrete foundation and has a concrete work floor. It is 24x40 ft., and 60 ft. high to the plate, containing 5 bins 8x8 ft., 22 ft. deep, and 4 bins 8x12. The storage house is 40x48 ft. and 40 ft. high, also of studded construction, containing 16 bins 10x12 ft. and 38 ft. deep, the total storage of both being 70,000 bus.

Along the east side of the elevator and storage house is an incline approach leading to the dump house in which are two Western Overhead Dumps, emptying into sinks underneath them, one for corn and the other for oats. Underneath the corn sink is a chain conveyor, which conveys the corn from the sink into a corn sheller, where after being shelled, it is elevated to the Texas where it is spouted into a Western Gyrating Cleaner, and after being cleaned, it drops into the garner hopper and then into the hopper scale where it is weighed. After being weighed it is again elevated into the Texas and either spouted onto chain conveyors which convey it back into the storage house, or spouted into the loading spout leading to car.

Underneath the oats sink is a spiral conveyor which conveys the oats from the oats sink into the back of either of the two elevator legs located in the working house, where they are then elevated into the Texas, and can then be spouted either into the cleaner, or the clipper, or onto chain conveyors, which conveys them into the storage house.

The elevator machinery was furnished by the Union Iron Works and consists of

1 No. 14 Western Corn Sheller, 1 No. 34 Western Gyration Cleaner, 1 No. 33 Eureka Oat Clipper, 2 Western Overhead Dumps, 2 elevator legs with 14-inch belts and 13x7 elevator buckets, 1 spiral conveyor 40 ft. long, 450 feet chain conveyors, and 1 300-bu. Hopper Scale. The power is furnished by Fairbanks-Morse 25-h.p. gasoline engine. The house was designed by Oscar Jones, who also superintended the construction.

Black Rust.

Black rust is an infectious plant disease of a fungous character and a full brother of red rust, its comparatively harmless relative. It is the product of conditions similar to those which create mildew or mold. In wheat a wet soil condition caused by rain or excessive dew, on which hot sunshine falls with little wind stirring to permit of ventilation will cause the ground to steam and the spores will quickly form on the stem, the leaves and in virulent cases even on the heads. It spreads rapidly from field to field and runs thru whole counties and sections. During the big black rust year of 1904 it started on July 26 and ran up the Red River Valley with the speed of an express train, leaving a trail of ruin behind it and only stopping when it encountered the cool weather of Canada.

The disease is not alarming in the early stages of the plant growth, but when wheat reaches the milk period it becomes the gravest menace both as to yield and quality. In virulent form it attacks the stem in patches and eats completely thru the wall of the stem, stopping once and for all further growth and filling. Often times the wheat does not change color but remains perfectly green, hence farmers might just as well cut it when perforation takes place for it will not mature further in any particular. Rusted wheat is shrunken, shriveled and immature.

Everything depends on the weather during the filling period of the spring wheat. Over most of the northwest the wheat is just passing the bloom, hence the filling period lies directly ahead of it. With rust present at the time, hot, muggy weather with little wind and light rains or heavy dews will bring an attack that will cut yields deeply; cool weather and moderate winds will retard its speed.—W. H. Perrine & Co.

Changes in Rates

As shown by tariffs recently filed with the Interstate Commerce Com'sn the carriers have made the following changes in rates:

C. G. W. in Sup. 15 to 28-B quotes milling-in-transit rates and privileges at the various stations along its line, effective July 10.

T. & O. C. in Sup. 7 to 2211 quotes rates on grain and grain products between its stations, effective state July 9, interstate July 31.

C. G. W. in Sup. 6 to 93-A quotes rates on grain from points in Ia., Kan., Mo., and Neb., to stations in Ind., Ky., and O., effective July 10.

C. G. W. in Sup. 13 to 97-B quotes rates on grain, grain products and seeds from Minn. points to other stations on the C. G. W. Ry., effective July 1.

C. G. W. in Sup. 27 to 14903-B7 quotes rates on grain from Missouri and Kansas points to other stations on the C. G. W. or connecting railways, effective Aug. 10.

C. G. W. in Sup. 10 to 97-B quotes rates on grain, grain products and seeds from Minn. points to other stations on the C. G. W. Ry. and its connections, effective July 10.

C. G. W. in 90-B quotes rates on grain and grain products from St. Paul, Minneapolis, Minnesota Transfer, Minn., to points on other railroads in Iowa, effective July 1.

C. G. W. in Sup. 31 to 14481 quotes rates on grain, grain products and seeds from points in Kan., Mo., and Neb., to stations east of the Ill.-Ind. state line, effective July 10.

C. & N. W. in Sup. 6 to 7611 quotes rates on grain and seeds originating at stations on the C. & N. W., P. R. C. & N. W., and the W. & N. W. Rys., effective Aug. 23.

C. G. W. in Sup. 36 to 36-A quotes rates on feed, valued at less than 10c per pound, from stations in Ill. and Ind., to points in Ill., Ia., Kan., Minn., Mo., and Neb., effective July 20.

C. G. W. in Sup. 33 to 36-A quotes rates on grain, grain products and seed between stations in Ill. and Ind., and stations in Ill., Ia., Kan., Minn., Mo., and Neb., effective Aug. 10.

C. & N. W. in Sup. 21 to 11,100-A quotes rates on grain, flaxseed and broom corn between stations in Ill., Wis., Ia., Minn., and stations in Neb., Wyo., and S. D., effective Aug. 23.

C. & E. I. in Sup. 43 to 622-A quotes rates on grain, grain products, seeds and broom corn from stations on the C. & E. I. Ry. in Ill. to other stations in Ill., effective Aug. 15.

C. G. W. in Sup. 36-A quotes rates on grain, grain products and seeds from stations on the C. G. W. in Ill. and Ind., to points in Ill., Ia., Kan., Minn., Mo., and Neb., effective June 1.

C. G. W. in Sup. 13 to 15159 quotes rates on grain products and seeds in carloads from stations on the C. G. W. or connecting railways to East Dubuque and Keethsburg, Ill., effective July 10.

C. & N. W. in Sup. 2 to 15,501 suspends tariffs quoting rates on grain products from Council Bluffs, Omaha and South Omaha to Lambert's Point, Newport News and Norfolk, Va., when for export.

C. G. W. in Sup. 29 to 14903-B9 quotes rates on grain from Atchison, Kansas City, Leavenworth, Kan., Kansas City and St. Joseph, Mo., to other stations on the C. G. W. and its connections, effective July 1.

[Continued to page 125.]



New Elevator of Newellton Elevator Co. at Newellton, La.

Crop Reports

Reports on the acreage, condition and yield of grain and field seeds, as well as on the movement to country markets, are always welcome.

ILLINOIS.

Vermillion, Ill., July 17.—Oats and wheat are in fine condition.—W. M. Givens, agt., Rudy & Co.

Anchor, Ill., July 20.—Oats will average 55 bus.; corn is tasseling and looking fine.—J. H. Nafziger, mgr., Anchor Farmers Elvtr. Co.

Watseka, Ill., July 17.—Corn is making a wonderful growth since arrival of warmer weather.—H. W. Bell, Watseka Farmers Grain Co.

Monticello, Ill., July 10.—Cutting oats just north of this city; yield good; oats generally ripe; fields muddy; need sun-shine.—E. B. H.

Champaign, Ill., July 16.—Corn jumping; about ready to tassel; wheat threshing progressing; oats cutting general; yield will be large.—E. B. H.

Bement, Ill., July 14.—Threshing delayed account rain; never saw oats more weedy; some being cut; considerable water standing on corn fields.—E. B. H.

Springfield, Ill., July 23.—A field of 36 acres oats near Ashland averaged 80 bus. A field of 6 acres near Clinton averaged 101 bus.—E. B. Conover Grain Co.

Thomasville, Ill., July 21.—Crops are good but the ground is soft, making wheat hard to cut. Will get 25 to 40 bus. per acre.—J. T. Hobson, mgr., Litchfield Flour Mills Co.

Spencer, Ill., July 14.—Having considerable rain; too much for harvest; oats turning; corn has made good growth last few days.—A. C. Minger, mgr. New Lenox Grain Co.

Pontiac, Ill., July 20.—Corn is only a week late, and growing rapidly. Wheat is all cut and yield will be about 25 bus. Oats will be all cut in 3 days.—Worth-Gyles Grain Co.

Ridge Farm, Ill., July 19.—Crops are slightly above the average, but wet weather is interfering with threshing. Corn looking fine, plenty of moisture.—A. J. Quick, agt., National Elevator Co.

Decatur, Ill., July 15.—Wheat being threshed; corn good but uneven; some backward; considerable fine corn and oats in this vicinity; oats being harvested; saw 1 oats field allowed to go to weeds.—E. B. H.

Danville, Ill., July 15.—Dealers report quality of new wheat received fair; threshing general; oats will be whopper yield in spite of weedy conditions; wheat yield will be large in this vicinity; many reports of oats fields badly lodged and difficult to cut.—E. B. H.

St. Francisville, Ill., July 10.—Much wheat in this section not fit to cut; will not average over 8 bus.; threshing started but delayed account rain; corn in river bottom in fine condition; on clay upland is water-killed; oats beginning to lodge and many farmers are cutting oats for hay.—C. W. Baker, sec'y-treas., Baker Elvtr. & Mill Co.

INDIANA.

Terre Haute, Ind., July 15.—Oats good but weedy; saw first tasseled corn this season near Indiana line but in Illinois lowlands; threshing in full swing; farmer hauled load of new rye which proved to be pretty tough.—E. B. H.

IOWA.

Clarion, Ia., July 17.—Crops will not be best account too much rain and cold weather.—Gordon Garver.

Anthon, Ia., July 17.—Crops doing well; weather extremely wet for a while but is O. K. now; oats fair; corn somewhat late but growing good by leaps and bounds;

corn plowing, clover, alfalfa and timothy haying and early oats have to be attended to at once which makes lively work for farmers.—D. M. McKenzie, agt. Quaker Oats Co.

Onawa, Ia., July 10.—Crops in this vicinity worst on record; hundreds of acres of corn are or will be abandoned on account of so much water in the fields making it impossible to cultivate and it is just a question of a short time until the weeds and grass will have the corn smothered; winter wheat ripe; well filled; too wet to get in the fields to cut; unless rains stop at once will be a small per cent cut; prospects anything but bright.—Farmers Elvtr. Co.

Des Moines, Ia., July 19.—Excessive rains during the last week have further delayed harvesting, and caused much damage to grain in shock. Showers occurred in the state on every day of the week except Saturday and many were accompanied by hail or high winds which did much damage to standing grain. Oats are badly lodged and the low, flat land in the southern part of the state is too wet for binders to work. The week closes with better conditions and prospects of fair weather for some days at least. A few corn fields are beginning to show tassels. Much however, will be laid by with only two cultivations.—Iowa Weather & Crop Service.

KANSAS.

Abbyville, Kan., July 19.—Wheat is of poor quality in this vicinity on account of too much rain.—Abbyville Equity Exchange.

MICHIGAN.

Pinckney, Mich., July 10.—Wheat looks good; anticipate good crop.—C. M. Hudson.

Almont, Mich., July 10.—The bean maggot is at work in Eaton County. Half a dozen farmers in Carmel have discovered that the pest is ravaging their beans and have plowed up their bean acreage. Authorities in the dept. on entomology at Michigan Agricultural College have advised farmers against reseeding any of the affected plots with corn, cabbage, turnips, beets, onions or seed potatoes, as maggot, if given the opportunity, may also attack these crops. The worm, according to the college men, is not new in Michigan, tho during the present season it is apparently much more troublesome than in the past.—S. J.

MINNESOTA.

Hewitt, Minn., July 19.—Crops here are looking fine.—Rob't McKelly, agt., National Elvtr. Co.

Ogema, Minn., July 19.—Crop prospects good so far.—C. F. Nelson, agt. Atlantic Elvtr. Co.

Holloway, Minn., July 21.—Small grain looks well but if rains continue lots will not be cut.—Farmers Elvtr. Co.

Westport, Minn., July 17.—Crops are better now than at this time in any other year I remember.—O. E. Krueger, agt., Monarch Elvtr. Co.

Porter, Minn., July 10.—Small grain in excellent condition thru this part of state; corn backward; only constant warm weather and late fall will give mature crop.—H. W. Speight.

Minneapolis, Minn., July 21.—The weather during the past week has been most favorable for growth of small grain in our territory. Rye harvest has commenced, and while rye will unquestionably be a light crop, there are many districts where the yield is going to be more than was expected after the frosts of the early season. The cutting of barley and oats, as well as Marquis and velvet chaff varieties of wheat, will begin next week in South Dakota. We have had a number of new reports of black rust and have received many samples. None of the samples received so far indicate a serious infection. In some of the samples, the rust has progressed to such a point that it has finally died out without ever getting on the stem of the plant at all. This, of course, caused no damage. It is our belief that reports of black rust have been greatly

exaggerated and very little, if any, actual damage has been done. Taking conditions as a whole, we hardly see how the prospects for good crops of all kinds of small grain, except rye, could be any better. Corn has made good progress during the past week but will require a long series of hot days to properly mature.—The Van Dusen Harrington Co.

MISSOURI.

Lockwood, Mo., July 20.—Wheat badly damaged by excessive rains.—L. W. Dee.

MONTANA.

Hobson, Mont., July 18.—Abundance of moisture this summer; crops in general look good; almost all wheat is Turkey red and usually grades No. 2 hard Montana at Minneapolis.—D. E. Brown.

NEBRASKA.

Germantown, Neb., July 19.—We have had too much rain to thresh wheat as yet but the yield will be satisfactory.—Germantown Farmers Grain Co.

Norman, Neb., July 10.—Wheat promises a big yield and fair quality with favorable weather. Harvest will start next week.—A. T. Curtis, mgr., Farmers Business Ass'n.

Wilcox, Neb., July 12.—Near Wilcox, Hildreth and Upland some 60 sections of land are badly hurt and the yield will be very light.—J. M. Olander, mgr., W. M. Bruce.

Wilber, Neb., July 16.—Having lots of rain; about 25% wheat still to be cut; corn generally clean; early oats ready to cut; prospect of good yield.—E. M. Olds, mgr. Farmers Elvtr. Co.

Eldorado, Neb., July 15.—Harvesting has started tho it is quite wet. Wheat will average 20 bus. to the acre. Corn rather late but doing fine.—Theo. Holzapple, mgr., Farmers Co-operative Co.

Bladen, Neb., July 21.—Harvest is three-fourths finished. The early cutting was damaged in the shock and is moulding and sprouting. Yield was an average; some smut; soft and not yet dry enough to market freely.—J. B. Farnow, mgr., Farmers Co-operative Grain Co.

NORTH DAKOTA.

Dickinson, N. D., July 17.—Prospect for good crop.—John F. Harnden.

Cando, N. D., July 20.—Crop conditions good at present but need rain.—J. W. Surha, Farmers Elvtr. Co.

Brocket, N. D., July 19.—Crops here and at McCanna looking good except rye and early barley which will be light; all grains rather late.—F. R. Lynch, agt. National Elvtr. Co.

Fortuna, N. D., July 14.—Crops in this vicinity backward account cold weather first part of season; growing well now; prospect for medium crop.—W. P. Vincent, mgr. Farmers Elvtr. Co.

OHIO.

Agosta, O., July 15.—Getting on an average 2 heavy rains a week; have bumper wheat crop; prospect for very large oats crop; weather is going to cut the biggest figure in what we really get; if weather man would shut the valves and only open them 3 or 4 times between now and Sept. 1, we would be right in it.—C. O. Barthouse.

OKLAHOMA.

Camargo, Okla., July 19.—Wheat good; averaging 20 bus., testing 57 to 62 lbs.—S. N. Lawrence, agt. C. B. Cozart Grain Co.

SOUTH DAKOTA.

Frankfort, S. D., July 19.—Crops fine.—Chris Fetzner, mgr. Farmers Elvtr. Co.

De Smet, S. D., July 18.—Crops never looked better except corn which is about 10 days late; stand is good.—E. N.

Davis, S. D., July 13.—Small grain looks good; corn is a little backward owing to cold weather; getting warmer now.—John C. De Vries, with C. C. De Boer.

TEXAS.

Amarillo, Tex., July 17.—Wheat and oats crop about harvested; has been saved in splendid condition.—Amarillo Mill & Elvtr. Co.

Hillsboro, Tex., July 10.—No wheat last year; about 30,000 bus. this year; yield 15 bus.; none plowed up; about 200,000 bus. of oats which is an increase of 20% over last year; corn decreased 15%.—I. F. Bell.

WASHINGTON.

Waukon, Wash., July 10.—Hot winds first 3 days of month damaged crop 3%; on July 5 and 6 had showers and cooler weather; outlook for new crop favorable.—W. L. Walker.

WISCONSIN.

Hilbert, Wis., July 10.—Crops fine; oats better than last year.—Wm. Vollmer.

Elkhart, Wis., July 10.—Crops good except corn.—P. W. Brickbauer, mgr. Farmers Mercantile & Supply Co.

Appleton, Wis., July 10.—Small grain looks good; better than last year.—Henry Servaes, Western Elvtr. Co.

Sherwood, Wis., July 10.—Barley fine; oats better quality than last year if not larger quantity; wheat looks good.—Joe Seidel.

Madison, Wis., July 15.—The average condition of crops for the state of Wisconsin follows: winter wheat, 96.8; winter rye, 97.6; spring wheat, 94.7; spring rye, 94.7; barley, 95; oats, 95.2; corn, 74.3; field peas, 94; buckwheat, 98.6.—State Board of Agriculture.

Leaking in Transit

Grain dealers can help brother sufferers in the collection of claims for loss by reporting to Grain Dealers Journal, Chicago, for free publication, the initials, number, place, date and condition of cars seen leaking grain in transit.

Recently we have received reports of the following leaking or bad order cars:

A. T. & S. F. 40323 passed thru Heman, Ill., July 23, southbound, leaking corn at doorpost.—W. W. Wilson, mgr. Heman Elvtr. Co.

Big Four 47259 passed thru Dawson, O., July 22, leaking wheat at door.—H. L. Staley.

C. H. & D. 46371 arrived at Scotland, Ill., July 16, leaking white corn badly at doorpost. Repaired by train men and leak apparently stopped. Must have lost considerable corn before arriving here.—Raven Elvtr. Co.

200114 was sidetracked at Towner, N. D., July 15, leaking wheat badly at side over truck.—John W. Ehston.

C. R. I. & P. 33125 passed thru Nevada, Ia., July 10, leaking wheat at both ends.—F. G. Booher, mgr. Farmers Grain Co.

N. & W. 60441 passed thru Nevada, Ia., July 10, leaking wheat at door.—F. G. Booher, mgr. Farmers Grain Co.

A. T. & S. F. 25227 passed thru Callao, Mo., July 5, via C. B. & Q., leaking kafir corn at drawbar. Car was set out for repair but I saw car pull out and it was leaking as it left but not as badly.—Everett Buster.

C. R. I. & P. 38322 passed thru Davenport, Ia., July 8 loaded with wheat which had every appearance of having been in a wreck, the wheat undoubtedly having been transferred to above car.—S.

Exports of Grain Weekly.

	Wheat. 1915.	Oats. 1915.	Wheat. 1914.	Oats. 1914.
July 4, '14 to July 3, '15				
314,473,000	192,348,000	101,585,000	17,702,000	
July 10	1,890,000	5,758,000	2,410,000	672,000
July 17	2,049,000	5,087,000	2,829,000	474,000
Total	318,412,000	203,193,000	106,824,000	18,848,000

Grain Movement

Reports on the movement of grain from farm to country elevator and shipments from interior points are always welcome.

ILLINOIS.

Danville, Ill., July 15.—Several dealers report new wheat received.—E. B. H.

Chicago, July 17.—The first carload of new rye was received here today from a central Illinois shipper. It graded No. 2 and sold at \$1 per bu.

INDIANA.

Crete, Ind., July 19.—Wheat threshing has been delayed somewhat by rains, but we expect a heavy movement for the next two weeks. Oats cutting is going along nicely.—Geo. T. Bowen & Co.

Indianapolis Ind., July 19.—The first carload of new crop oats to reach Indianapolis was received today by Bert Boyd from central Illinois, and came in damp and warm due to rains during the harvest season. Oats were sold at 47c per bushel on track, but had they been in good condition the price would have been 53c, the same as old crop white oats.

IOWA.

Charles City, Ia., July 23.—Oats harvesting began this week.—O. A. King.

Toeverville, Ia., July 22.—Barley and oats harvest begins July 26.—H. D. Mundt.

Winfield, Ia., July 23.—Just beginning to thresh.—H. W. Van Dyke, mgr. Winfield Elvtr. & Supply Co.

Anthon, Ia., July 17.—Farmers have no time to haul; with corn cultivating over, grain will move better.—D. M. McKenzie, agt., Quaker Oats Co.

Ladora, Ia., July 21.—Harvesting delayed by recent heavy rains; corn looks good but 2 weeks late.—H. L. Schmutz, mgr. Ladora Lumber & Grain Co.

KANSAS.

McPherson, Kan., July 16.—Threshing begun; first new wheat tested 59 lbs.; grade No. 2; a little damp; sold for \$1.05.—F. P. Hawthorne.

KENTUCKY.

Winchester, Ky., July 23.—About $\frac{3}{4}$ wheat has been threshed; bulk is damp or wet.—G. Bush.

MISSOURI.

Asbury, Mo., July 20.—Threshing delayed account rain.—Charles Kerr.

Kansas City, Mo., July 13.—The first car of new hard wheat came in from Chattanooga, Okla., graded No. 3 and weighed 59 lbs. The wheat was dark and slightly shriveled.

NEBRASKA.

Riverton, Neb., July 13.—Rains interfering with harvest.—S. S. Crilly.

Cook, Neb., July 10.—Continued wet weather makes wheat harvest difficult.—J. A. Schoenthal.

Daily Closing Prices.

The closing prices for wheat and corn for the September delivery at the following markets for the past two weeks have been as follows:

	SEPTEMBER WHEAT.												
	July 10	July 12	July 13	July 14	July 15	July 16	July 17	July 19	July 20	July 21	July 22	July 23	July 24
Chicago	102 $\frac{1}{2}$	102 $\frac{1}{2}$	104 $\frac{1}{2}$	109 $\frac{3}{8}$	108 $\frac{1}{4}$	108 $\frac{7}{8}$	107 $\frac{1}{4}$	109 $\frac{3}{8}$	106	105 $\frac{1}{4}$	105 $\frac{1}{4}$	106 $\frac{3}{4}$	108 $\frac{3}{4}$
Minneapolis	103 $\frac{3}{8}$	102 $\frac{3}{4}$	107 $\frac{1}{2}$	111 $\frac{1}{2}$	109	109 $\frac{7}{8}$	109 $\frac{3}{8}$	110 $\frac{7}{8}$	106 $\frac{3}{4}$	104 $\frac{5}{8}$	104 $\frac{5}{8}$	107 $\frac{1}{8}$	111
Duluth	105 $\frac{1}{2}$	104 $\frac{1}{2}$	108 $\frac{1}{2}$	113 $\frac{3}{8}$	111	112 $\frac{1}{4}$	111 $\frac{3}{8}$	113	109 $\frac{1}{8}$	107 $\frac{3}{8}$	107	109 $\frac{1}{8}$	111
St. Louis	99 $\frac{7}{8}$	99 $\frac{1}{2}$	101 $\frac{5}{8}$	106 $\frac{7}{8}$	105 $\frac{1}{8}$	105 $\frac{7}{8}$	107	107	103 $\frac{3}{4}$	102 $\frac{3}{8}$	102 $\frac{1}{2}$	103 $\frac{7}{8}$	106
Kansas City	96 $\frac{1}{2}$	93 $\frac{3}{4}$	93 $\frac{1}{2}$	103 $\frac{3}{8}$	102 $\frac{3}{4}$	103 $\frac{3}{4}$	102 $\frac{7}{8}$	105 $\frac{3}{8}$	101 $\frac{3}{8}$	100 $\frac{5}{8}$	100 $\frac{3}{8}$	102 $\frac{1}{2}$	104 $\frac{3}{8}$
Milwaukee	102 $\frac{1}{2}$	102 $\frac{1}{2}$	101 $\frac{7}{8}$	109 $\frac{7}{8}$	108 $\frac{1}{4}$	108 $\frac{7}{8}$	107 $\frac{1}{2}$	109 $\frac{3}{8}$	106	105 $\frac{1}{4}$	105 $\frac{1}{4}$	106 $\frac{3}{4}$	108 $\frac{3}{4}$
Toledo	105 $\frac{3}{8}$	105	107 $\frac{1}{2}$	112	111	111 $\frac{1}{4}$	110 $\frac{7}{8}$	113	109	107 $\frac{3}{8}$	107 $\frac{3}{8}$	109 $\frac{1}{4}$	110 $\frac{3}{4}$
*Baltimore	108 $\frac{1}{2}$	108 $\frac{1}{2}$	111	114 $\frac{1}{2}$	113 $\frac{1}{2}$	114 $\frac{1}{2}$	114 $\frac{1}{2}$	116 $\frac{1}{4}$	114 $\frac{1}{2}$	114 $\frac{1}{4}$	114 $\frac{1}{4}$	115 $\frac{1}{2}$	113 $\frac{1}{2}$
**Winnipeg	103 $\frac{1}{8}$	102	105	107	107 $\frac{1}{8}$	108 $\frac{1}{4}$	108	109 $\frac{3}{8}$	105 $\frac{1}{4}$	103 $\frac{3}{8}$	104	105 $\frac{3}{4}$	107 $\frac{3}{8}$

	SEPTEMBER CORN.												
	July 10	July 12	July 13	July 14	July 15	July 16	July 17	July 19	July 20	July 21	July 22	July 23	July 24
Chicago	73 $\frac{3}{8}$	72 $\frac{7}{8}$	73 $\frac{1}{8}$	73 $\frac{1}{4}$	72 $\frac{1}{2}$	72 $\frac{7}{8}$	72 $\frac{3}{8}$	73	72 $\frac{5}{8}$	73 $\frac{5}{8}$	74 $\frac{3}{8}$	75 $\frac{1}{4}$	75 $\frac{1}{4}$
Kansas City	70 $\frac{3}{8}$	70 $\frac{3}{8}$	70 $\frac{3}{8}$	70 $\frac{3}{8}$	69 $\frac{3}{8}$	70 $\frac{1}{4}$	69 $\frac{3}{8}$	70	70 $\frac{7}{8}$	71 $\frac{1}{2}$	72 $\frac{3}{4}$	72 $\frac{1}{2}$	72 $\frac{1}{2}$
St. Louis	72	71 $\frac{1}{2}$	72	72 $\frac{5}{8}$	73 $\frac{3}{8}$	74 $\frac{3}{8}$							

*July delivery. **October delivery.

Moorefield, Neb., July 12.—Harvest begins this week.—James Pearson, agt. Shannon Grain Co.

OKLAHOMA.

Camargo, Okla., July 19.—Movement of wheat slow; storing for higher prices.—S. N. Lawrence, agt. C. B. Cozart Grain Co.

TEXAS.

Higgins, Tex., July 20.—Harvest on in the Panhandle; threshing in full swing.—A. F. Brown.

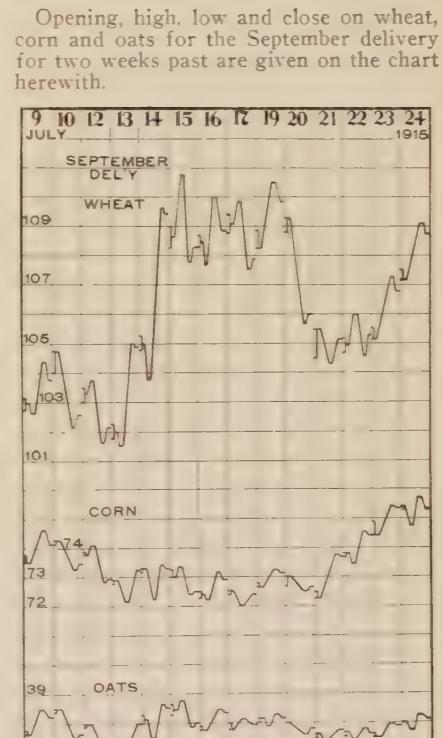
Groom, Tex., July 20.—Threshing commenced a week ago.—J. S. Blasdel, mgr. Plains Grain Co.

Groom, Tex., July 20.—Expect to ship 500,000 bus. wheat.—J. S. Blasdel, mgr. Plains Grain Co.

Hillsboro, Tex., July 10.—Threshing about over; about 50% wheat and oats in farmers hands; this is not a grain section.—L. F. Bell.

Galveston, Tex., July 24.—Will receive a little over 3,500 cars new wheat this month; loading for export will approximate 3,000,000 bus., majority of receipts are Texas Red.—M.

Chicago Futures



The GRAIN DEALERS JOURNAL.

Cereal Dust Explosions.

[From address by David J. Price, U. S. Bureau of Chemistry, May 26, before Millers Convention at Cincinnati.]

Supposed Causes.—The establishing of a direct cause of a cereal dust explosion by investigation directly following the occurrence has been found in some cases to be extremely difficult. In order to classify the explosions to various milling lines, we will consider the supposed causes in this relation: In cereal mills there were 5 caused by sparks from grinding machine, 1 unknown. In flour mills, 3 unknown, 1 spark from grinding machine. In grain elevators, 3 unknown. In starch factories, 2 unknown, 1 static electricity. In feed mills, 1 spark from grinding machine, 1 unknown. In a glucose factory, 1 spark from grinding machine.

Eight explosions were thought to have originated from sparks produced in machine during the grinding process, one attributed to production of static electricity, and in the remaining ten occurrences it was not possible to establish a definite cause of the origin.

Sparks from Grinding Machines.—Occurrences of this nature have been frequent in the grinding of oat hulls and feeds. Particles of gravel and flint or any metallic substance that may pass the various separating systems, by coming into contact with the grinding plates of the machines, may produce sufficient sparks to cause an ignition of dust on the interior of the machine.

Although it has been claimed that sparks of this nature might not possibly be sufficient to ignite the dust, the evidence in the majority of cases referred to was conclusive as to this particular cause. In order to definitely determine the relation of the sparks produced in this manner and a suspended dust cloud, an experimental mill has already been erected at Pennsylvania State College for experimental work.

The circumstances surrounding the "gluten feed" explosion led to the belief that the cause of the explosion was a stream of sparks emanating from the plates of an attrition mill, which was traveling about 1,500 revolutions per minute. These sparks were thought to have been caused by a momentary clogging of the feed of the mill, which would probably allow the grinding plates to rub against each other, or by a piece of foreign material striking against the plates. The gluten feed was taken from the attrition mill to a separate building, known as the feed elevator, by means of an air draft operating through a 16-inch galvanized iron spout about 375 feet long, and carrying the gluten feed 140 feet in elevation. The air draft was maintained by a 70-inch planing mill exhaust fan, driven 1,500 revolutions by a belt connected 35-h.p. electric motor. This fan was located about ten feet from the attrition mill and delivered about 25 pounds of air for each pound of gluten carried. The spout delivered its burden to a "cyclone collector" on top of the elevator building.

A smouldering fire having originated between the mill plates, the strong air draft quickly fanned it into a blaze. The amount and coarseness of the gluten probably prevented an explosion in the delivery pipe, but the blaze and the pressure of the resulting gases increased enormously. When this fire and force reached the elevator building enough dust was jarred into the air to make favorable conditions for the explosion which followed. This explosion clearly shows that the greatest violence was at a point some distance away from the point of origin of the flame. As a result of this explosion two men were killed and seven injured, while the property damage totaled \$40,000.

Oat Hull Dust.—Another explosion that illustrated very clearly that the greatest violence done may be at a point some distance away from the origin of the spark or flame occurred in one of the Middle West States. The explosion took place in a section of the plant where oat hulls were being ground, and the greatest damage was done in this section. The conveyor lines and elevator legs from the grinding machine to the storage bins gave evidence of fire, and the explosive wave seemed to travel through this part of the plant. Although the grain was said to have been reasonably clean, it is thought that some foreign material may have been introduced into the grinding machine, producing sparks sufficient to ignite the dust cloud present. The flame thus produced traveled along the conveyor lines and elevator legs for some distance, until the receiving bins or hopper were reached, when a violent explosion occurred.

Wheat Screenings Explosion.—An attrition mill had been installed in a flour mill in one of the Middle West States for the purpose of grinding wheat screenings, and

an explosion occurred about two weeks later.

The "attrition mill" was installed with a metal bin directly under the grinding machine, discharging the ground material into this bin, conveying the same from this bin to the elevator boot. At the time of the explosion there was not sufficient dust present to cause serious damage, and about the only damage done was a bulging out and loosening of the sides of the metal bin. The explosion made a very loud report and filled the mill with smoke. This occurrence would indicate that a grinding machine of this nature should not discharge directly into a bin unless provision is made in some manner for excessive pressure produced in case of an ignition of dust.

Explosions In Grain Elevators.—In the three explosions that have occurred in grain elevators, it has not been possible to clearly establish causes on evidence obtained, but all three have interesting phenomena accompanying them. An opinion at the present time seems to be held by some elevator owners that the only dangerous explosive dusts are those produced during the grinding and milling processes. This belief may possibly be based on the fact that grain coming from the field would be mixed with sufficient incombustible material to render the dust inert, and therefore not explosive. It is quite true that elevator dusts contain a large quantity of field dirt, but the dust coming from the husks or shells of the grain mixes in very large proportions with the field dust already present and the mixture may in this way be made inflammable. The explosions that have already occurred in grain elevators where there was no grinding being done, clearly shows that an explosion can occur at any time under certain favorable conditions.

It is not possible to state at this time what effect a high ash content has upon the inflammability of "cereal dusts," for no work has yet been done along this line; but from results already obtained by the Bureau of Mines upon coal dusts, it is at least safe to state that the ash content and its composition are large factors affecting the inflammability of these dusts, as they are in coal dust. It has already been found that elevator dusts with as high as 16% of ash are very inflammable and develop high pressures on ignition.

The explosion in the East was especially violent in nature and as a result 15 employees were killed and two women who were walking on the railroad tracks outside of the plant were so badly burned that they died soon afterward. The explosion and fire which followed damaged the property very badly and the cause was never definitely determined.

The "elevator" explosion in the Middle West presented two very interesting theories as to the possible cause. The explosion occurred in an elevator leg used for taking grain from one bin and transferring to another. The leg contained 178 buckets, 12 inches apart, and projecting 6 inches from the belt. The size of the leg was 18 inches by 9 inches on the outside, and the buckets were running about 471 feet per minute. This elevator leg was situated in the middle of the elevator building, about 20 feet from the front.

After the explosion occurred there was an odor present that resembled the odor following the discharge of a shotgun. This was quite noticeable on the first floor, and on the top of the elevator where the flames escaped. The officials concluded that it was possible for a loaded cartridge to become mixed with the grain in shipment,

and due to the friction in handling, was exploded and ignited the dust.

At the time of the explosion one of the men was using an extension light cord, with an incandescent bulb attached, to look into the leg through an opening on the first floor. This examination was being made at the time the explosion occurred, and later it was found that the extension had been burned out. It was not definitely determined what relation this had to the explosion, but suggests the possibility of an ignition of elevator dusts by an electric spark.

Cause of Cereal Dust Explosions.—From the investigations already conducted relative to the causes of cereal dust explosions that have occurred in recent years in this country and abroad the following causes may be advanced:

Introduction of foreign materials into grinding machines.

Use of open lights or naked flames such as oil lamps, torches, gas jets, lanterns, candles, matches, etc.

Property fires.

Electric sparks from motors, fuses, switches, lighting systems.

Static electricity produced by friction of pulleys and belts, machinery parts, grinding machines, revolving reels, etc.

The first four causes given may possibly be generally accepted but the advancement of the last cause, namely, "static electricity," has opened up, as it were, a new field.

Static Electricity.—In September, 1913, on a dry frosty morning in early fall two slight explosions occurred in separate plants in Western New York, at a time when the feed had been "shut off" from certain grinding machines. The occurrences took place after considerable lapse in time after the stream of grain had stopped entering the machines.

Although up to that time experiments had not been conducted to determine whether cereal dusts could be ignited in this manner, it was found by experiment that sufficient static electricity could be produced by friction of a very small pulley and belt to readily ignite natural gas. It was learned at this time that a milling company in the South, engaged in grinding cotton seed into meal, after experiencing a series of explosions, had prevented a repetition of previous occurrences, by grounding the grinding machine, by means of a wire connected to a rod driven in the ground nearby. This confirmed the original theory and indicated the practical success of a grinding device of this kind.

The possibility of static electricity as a source of cereal dust ignition was very clearly established by an explosion in the dextrine department of a starch factory in one of the Eastern States in September, 1914. The origin of the explosion was traced to the production of static electricity by friction of particles of dextrine on 80-mesh brass gauze surrounding a revolving reel making 16 r.p.m.

It has recently been found by an English scientist that if a cloud of dust is blown against an insulated conductor (a wire for instance) the wire becomes charged with electricity, and under certain conditions may become so highly charged as to give off sparks.

A large number of the explosions and fires in threshing machines occurring in the far Northwest last season during the threshing of the wheat crop have been assigned to production of static electricity by the operation of the cylinder in the separating process. These various occurrences, in addition to a number of others, will serve to emphasize the original theory



Wrecked Walls of Cupola of West Shore R. R. Elevator at Weehawken, N. J.
[See facing page.]

that static electricity may be a possible source of danger. This presents a new field for immediate attention, since every industrial plant has at times conditions favorable to the production of charges of this kind.

Following the explosion in Minnesota in 1878, Professors Peck and Peckham found that two ounces of flour dust diffused with two cubic feet of air, when ignited in a box with flame, would produce an explosion sufficient to lift two men standing on the cover. It has been calculated that a sack of flour suspended as dust in 4,000 cubic feet of air (a room 20x20x10) when ignited would generate sufficient force to throw 2,500 tons 100 feet high.

Explosions have been produced at the Pittsburgh Testing Station of the Bureau of Mines when there was only 0.032 ounce of coal dust suspended in each cubic foot of air, or one pound in 500 cubic feet. In order to produce combustion it takes all of the oxygen in one cubic foot of air to completely burn 0.128 ounce of the dust used. In France ignition was obtained in one instance with as low a weight as 0.023 ounce of coal dust per cubic foot, while at the German Testing Station ignitions have been obtained when 0.04 ounce of coal dust was suspended in one cubic foot of air.

Preliminary experiments have shown that many cereal dusts have relatively a lower ignition temperature and produce higher pressures than the coal dusts. We might therefore conclude that the explosive limits would be lower with cereal dusts than the figures given for coal dust.

Preventive Measures.—The use of gas jets for lighting purposes, the introduction of lanterns or open lights into grain bins or dust collecting systems and similar practices are very dangerous, and should be at once discontinued.

Dust should not be allowed to accumulate. A plant where dust is permitted to accumulate is always in danger of fires and explosions.

Electric bulbs in dusty atmospheres located near machinery where there is a possibility of the lamp becoming broken, or at points in the mill where workers may strike the lamp, especially when carrying a projection of some kind on their shoulders, should be enclosed in strong wire guards or protectors. It would be an extra safety precaution, whenever possible, to locate all fuses on light and power circuits, switches, starting boxes, motors, etc., at points where dust is not present.

Provision should be made for equipping grinding machines and pulleys and shafts with an effective ground connection for carrying away static electricity produced in this manner. Since this particular field is new, it may be advisable to arrange grounds of this nature at once, and remove this possible source of ignition.

The size of the bins receiving ground material has an important relation to the extent of the force or violence of the explosion. These bins should be of limited proportions and not give opportunity for the dust to be in suspension.

The practice of lowering lights into grain bins is a dangerous one and should be prohibited. Dangerous conditions may result if the lamp is broken on the side of the

bin. The same result can no doubt be obtained by lowering a "tape" with a weight attached to the end, and the exact measurement recorded.

Cupola Shattered by Dust Explosion.

A terrific explosion of grain dust on the morning of July 15 blew out large portions of the side walls of the cupola of the West Shore Railroad Elevator at Weehawken, N. J.

The cupola was five stories high, its walls of red tile supported by a steel framework. The tiles were 4 inches thick and on two sides of the building were blown out of the steel frame, the floors supporting the machinery remaining intact. Only 5 of the 300 steel grain bins had their tops blown off. The light construction of the hollow tile evidently gave the gases free expansion without racking the structure.

Tons of tile was thrown into the water and upon a grain barge and tugboat, but all persons miraculously escaped death, only 6 being injured. Those seriously hurt were a laborer whose thigh was fractured and a tugboat captain who had a foot fractured.

The grain and machinery was not damaged and operations were resumed next day while awaiting repairs of the walls, which it is estimated will require 60 days.

The building is 100x300 ft. having a capacity of 2,500,000 bus., and contained 275,000 bus. of grain. It was one of the largest elevators in the east, and situated on the Hudson River, forming one of the principal export grain facilities of New York harbor, was in constant use. The movement of grain will not be delayed, as the railroad company has a second grain elevator on the next pier.

Walter B. Pollock, manager of the marine department of the New York Central Railroad Co., who has charge of the elevator as superintendent, writes that "We are unable to determine just what caused the dust explosion, but fortunately no lives were lost, the four or five persons were slightly injured by falling tiles."

A gap of 200 ft. was torn in the south wall of the cupola, and on the north side, as shown in the engravings, are two gaps, each about 100 ft. long, about 14,000 square feet of the tile walls having been demolished.



Shattered Cupola of West Shore Railroad Elevator at Weehawken, N. J.

Changes in Rates.

[Continued from page 121.]

T. O. C. quotes a rate of 14.7c on grain screenings, elvtr. dust, oat clippings and hulls from Toledo, O.; to Owensboro, Ky. and 10.5c from same point to Peoria, Ill., effective Aug. 6.

C. G. W. in Sup. 11 to 22-A quotes rates on grain, grain products, flaxseed and millet seed between stations in Ia., Kan., Minn., Mo., Neb., and Milwaukee, Wis., effective July 10.

C. G. W. in Sup. 11 to 97-B quotes rates on grain, grain products and seeds in car-loads between Minnesota points and other stations on the C. G. W. or its connections, effective Aug. 10.

C. G. W. in Sup. 33 to 14481 quotes rates on grain, grain products and seeds from points in Kan., Mo., and Ia., to E. Dubuque, Ill., and points east of the Ill.-Ind. state line, effective July 1.

C. G. W. in Sup. 37 to 14854 quotes rates on grain and grain products from Minneapolis, Minnesota Transfer, St. Paul and So. St. Paul, Minn., to other stations on the C. G. W. Ry., effective July 10.

C. G. W. in Sup. 26 to 14903-B6 quotes rates on grain, flaxseed and millet seed from Atchison, Kansas City, Leavenworth, Kan., Kansas City and St. Joseph, Mo., to stations on the C. G. W., effective July 10.

C. G. W. in Sup. 14 to 97-B quotes rates on grain, feed and seeds from Minneapolis, Minnesota Transfer, St. Paul and South St. Paul, Minn., to other stations on the C. G. W. or its connections, effective July 20.

C. G. W. in Sup. 35 to 36-A quotes rates on grain, grain products, millet and flax seed from stations in Ill. and Ind. to points on the C. & G. W. or its connections in Ill., Ia., Kan., Minn., Mo., and Neb., effective July 1.

C. R. I. & P. in Sup. 10 to 19690-F quotes rates on grain, grain products, seeds, broom corn, and corn husks from stations in Colo., Ia., Kan., Mo., Neb., N. M., and Okla., to stations in Ala., Ark., La., Miss., and Mo., effective Aug. 15.

A. T. & S. F. in Sup. 11 to 5655-U quotes rates on grain, grain products and broom corn from points in Kan., Colo., N. M., Okla., and Neb. to Galveston, Port Bolivar and Texas City, Tex., when for export only, effective Aug. 6.

C. G. W. in Sup. 3 to 68-C quotes rates on grain, grain products and seeds from Minneapolis, Minnesota Transfer, St. Paul, So. St. Paul, Red Wing and Winona, Minn., to Chicago, and other stations in Ill., or Ia., effective July 10.

C. G. W. in Sup. 36-A to 11090 quotes rates on grain, grain products, flaxseed and millet seed in carloads from stations in Ind. and Ill., including Chicago, to stations on the C. G. W. Ry. in Ill., Ia., Kan., Minn., Mo., and Neb., effective July 10.

C. G. W. in Sup. 5 to 68-C quotes rates on grain, grain products, flaxseed and millet seed from Minneapolis, Minnesota Transfer, St. Paul, So. St. Paul and Wi-nona, Minn., to Chicago, St. Louis, Peoria, and E. St. Louis, effective July 1.

C. G. W. in Sup. 1 to 53-E quotes rates on grain products from St. Joseph, Mo., Leavenworth, Kansas City, Kan., Kansas City, Mo., Council Bluffs, Ia., Omaha and So. Omaha, Neb., to Newport News and Norfolk, Va., when for export, effective July 9.

C. G. W. in Sup. 32 to 14481 quotes rates on grain and seeds from Kansas City, Leavenworth, Atchison, Kan., Kansas City, St. Joseph, Mo., Council Bluffs, Ia., Omaha, and So. Omaha, Neb., and East Dubuque, Ill., to points east of the Ill.-Ind. state line, effective Aug. 10.

A. T. & S. F. in Sup. 35 to 5588-J suspends rates quoted in previous supplements to that tariff on grain and grain products from points in Kan., Mo., Okla., and Neb., to Kansas City, St. Joseph, Mo., Atchison, Leavenworth, Kan., Chicago, Peoria, Ill., and Mississippi River points, to Oct. 29, 1915.

The GRAIN DEALERS JOURNAL.

Shippers Meet at Joplin, Mo.

Grain dealers from southwestern Missouri, northeastern Oklahoma and southeastern Kansas, met at Joplin, Mo., on July 10, to compare notes on different phases of the grain business. A. L. Scott, Pittsburg, Kan., was selected chairman and F. Y. O'Bannon, Claremore, Okla., acted as sec'y. The meeting was called to order at 2:30 o'clock.

J. K. Karnes, Oswego, Kan., submitted an array of figures on the cost of handling grain, proving that it cost anywhere from 2.9c to 3.7c per bushel. He quoted specific figures on houses handling 80,000 bus. and 100,000 bus. respectively, the expenses in each instance being \$2,937, allowing the dealer a salary of \$900 annually. Unless the dealer, therefore, obtains a margin greater than 3.7c per bushel, Mr. Karnes pointed out, he is actually losing money.

E. J. Smiley, sec'y, Kansas Grain Dealers' Ass'n, believed the average operator in the sections represented did not handle as much as 80,000 bushels annually, which would make the margin necessary even greater than Mr. Karnes figured. In some instances Mr. Smiley knew that dealers were working on a margin a 3c, and when asked regarding their cost of handling, these dealers took it for granted they were making a profit.

C. A. Hitz, Girard, Kan., who last year handled 83,114 bushels, did so at a cost of \$2,527.28, or 3.1c per bushel. These figures, he said, did not include depreciation, office expense, telephone, etc., which would add considerably to the net cost for each bushel.

SIDE LINES MUST MAKE GOOD.

Chairman A. L. Scott had just completed his 20th semiannual inventory and was loaded down with valuable suggestions and ideas for his brother dealers. Each item handled by his concern he said, is so analyzed that at the end of stated periods the books show just what that item has done toward adding to the wealth of the company. Any line which proves unprofitable to the concern is quickly dropped and replaced by one which will be more remunerative. Depreciation is figured by Mr. Scott's company as 10% of the plant value annually.

Sec'y F. Y. O'Bannon let it be known that his company was in business for the profit it could make, and if competition was so keen there was no prospect of a profit he was willing that the business should go to his competitors. The actual cost of putting grain thru his plant, he said, was from 3c to 4c per bushel.

Geo. F. Milbourn, Fairland, Okla., a pioneer in the trade, gave a few anecdotes relating to competition in his vicinity. Many attempts have been made since he started in 1876 to put him out of business, but he believed in playing the game according to the rules of his competitors. Many times he has handled grain on a $\frac{1}{4}$ c margin, and paid 50c for a single cantaloupe, valued at 2c, in order to get the load of grain. At present, however, conditions are much improved, tho still not of the best.

TROUBLES OF MISSOURIANS.

Sec'y J. A. Gunnell, Mo. Grain Dealers' Ass'n: We Missourians feel that the troubles of other sections are insignificant compared to those of our state. Generally speaking the troubles are too numerous to mention, but the worst with which we have to contend is the fact that terminal market dealers maintain branch offices near the Ia.-Ill. line, from where they send out bids on grain within $\frac{1}{2}$ to

1c of the Chicago market. This works a hardship on the elevator operators in that section.

I. B. Kirkpatrick, Oswego, Kan., believed lack of confidence in each other was the big cause of "trouble in the grain business in Kansas." This natural jealousy, which was shown in THE JOURNAL'S serial on the subject some time ago, he said, was robbing the dealers of their legitimate profit. He believes every dealer must have a working margin of at least 5c per bushel.

Sec'y Gunnell took the floor to relate a few more troubles of the Missouri dealers, the first being scooper competition. One Omaha concern, he said, encouraged scooping by sending card quotations promiscuously to Missouri dealers and farmers alike. In reply to a letter written the company in the matter Mr. Gunnell received a statement to the effect that as long as they were in business they would buy from or sell to anyone they saw fit. Mr. Gunnell immediately asked permission to have copies of their letter printed for general distribution among the trade. To this request he received a "very nice" reply.

N. F. Wright, Miami, Okla., knew of many dealers, apparently making money, who were handling grain on a margin of 2c per bushel, and asked that he be informed as to how it was accomplished. It cost him upwards of 4c.

GOVERNMENT GRADES FOR WHEAT.

Sec'y E. J. Smiley spoke on the prospective government grades for wheat, saying that before July 1, 1916, he believes grain will be bot on gluten content and the ordinary grain tester discarded. He related instances of 60 lb. yellow berry wheat which contained only 9% of gluten while 57 lb. wheat under similar tests has contained from 13 to 15%.

The session resulted in the unanimous approval of 5c per bushel as the working margin necessary on wheat and 3c for corn and oats. To assist those dealers who are less competent accountants, N. F. Wright, suggested the appointment of a com'te to visit in certain sections, showing the operators from their own books, that they are handling grain at too low a margin. It is better to do a smaller volume of business, he said, on a scientific basis than to lose money on all the business in a community.

EVENING SESSION.

W. H. Hurley, Clinton, Mo., acted as chairman for the evening session, which was called to order at 8:00 o'clock. Two of the speakers scheduled for the program were unable to attend, and Sec'y Smiley was asked to talk. The semi-annual meetings of grain dealers, he said, are productive of much good in the trade, but it would be better still if these little conventions could be held quarterly. If nothing else is accomplished but bringing the dealers into a closer contact, they are well worth while. He again mentioned the proposed government grades on wheat and said he welcomed the time when they would be established. The Hessian fly was termed one of the worst enemies of the Kansas grain trade, and unless the pest is eradicated Mr. Smiley predicted the state would lose its position as foremost wheat producing state of the country.

Following Mr. Smiley's talk the dealers devoted the rest of the evening to a general discussion of weights, claims, railroad responsibility, etc. It was suggested that certified weights be attached to all Bs/L and that railroad agents give personal inspection to grain cars before shipments are made.

It was unanimously moved and seconded that Sec'y's Smiley, Gunnell and Prouty arrange for quarterly meetings in



Fig. 5. Cracked Corn. Natural Size.



Fig. 6. Small Whole Kernels Not Classed as Cracked Corn.

the future, the next to be held in 3 months at a point selected by them. Meeting adjourned.

The terminal markets were represented by E. E. Peterson, W. H. Burns; and I. Updike, repp'reg. W. S. Nicholson, Grain Co., Kansas City; C. E. R. Wintner, Wichita; R. F. Scott, repp'reg. Parker & Beardisley, Inc., Co.; W. J. K. Sterman, repp'reg. Marion & Co.; A. H. Stokes, and Ed. Harsenwinkel, St. Louis.

Among the shippers present were J. W. Doerr, Joplin, Mo.; J. H. Englebrecht, El Dorado Springs, Mo.; W. B. Fitzpatrick, Mounds, Okla.; C. H. Tracy, Oswego, Kan.; J. F. Hays, Cedar, Mo.; C. A. Hunt, Girard, Kan.; W. H. Hurley, Clinton, Mo.; J. D. Kirkpatrick, Topeka, Kan.; C. W. Kellogg, Cherokee, Kan.; J. H. Karpes, Topeka, Kan.; J. H. Lane, Parsons, Kan.; J. D. Meek, Ft. Scott, Kan.; J. P. Miller, Ft. Madison, Okla.; W. J. McElroy, Ashland, Mo.; J. R. Neff, Berrydale, Ark.; F. Y. O'Conor, Claremore, Okla.; P. C. Pace, Jenkin, Mo.; J. H. Ross, Altamont, Kan.; F. V. Saylor, Vinita, Okla.; A. L. Scott, Pittsburg, Kan., and N. F. Wright, Miami, Okla.

GRAIN REAPPRAISERS ASS'N of Chicago has filed a suit in the private wire contracts case before the court that filed with the Interstate Commerce Commission by the telegraph and telephone companies. The Ass'n condemns private wires, alleging that the practice is not based on just and reasonable classification under the commerce act. It is declared the companies have no right to lease property which is used in and necessary to the discharge of their public duties.—P.

Manual for Grading Corn.

To furnish the grain trade a comprehensive manual to which to refer in cases of differences of opinion as to how the various determinations are to be made in grading corn according to the government rules the U. S. Dept. of Agriculture on July 15 published Bulletin No. 168, by J. W. T. Duvel, gathering in condensed form all prior rulings of the Bur. of Plant Industry on corn grades.

Mr. Duvel states that while the moisture tester described in Circular No. 72 is the standard, other testers and methods may be used so long as the results are corrected to conform to those set out by the standard.

In sampling a car load of corn Mr. Duvel suggests that 5 probes be made, the contents of the trier being emptied on a piece of canvas, mixing and finally rolling the sample on the canvas. Composite samples made up by emptying only a part of the contents of the trier into the can or sample bag cannot as a rule be considered representative.

In sampling ear corn 20 representative ears should be taken at random for each 1,000 bus. In wagon lots of 100 bus. or less 10 representative ears should be selected for test. The samples should consist of not less than one quart of shelled corn.

The sieves for screening the samples should be made of metal perforated with round holes. The holes in the upper or first sieve should be one-quarter of an inch in diameter and the holes in the lower or second sieve nine-sixty-fourths of an inch in diameter. Figures 1 and 2 show these holes of natural size and the approximate distance from center to center.

The thickness of the metal should be from 0.025 to 0.035 of an inch.

Results of tests need not be expressed closer than one-tenth of 1 per cent and the grain should be given the benefit of the doubt in computing averages. When two tests of 19.3 and 19.4% average 19.35 the moisture content should be recorded as 19.3%, and not 19.35%.

The "foreign material" should include not only material that will pass thru the sieve with holes nine-sixty-fourths of an inch in diameter as shown in figure 3, but should also include the coarser foreign material such as shown in figure 4.

The percentage of damage should be made on the screened sample, preferably by using the entire quantity that remains after removing the foreign material and "cracked" corn. In order to simplify the determination for damaged corn and to avoid a double penalty, the damaged "cracked" corn, as used in these grades, shall be considered simply as "cracked" corn; that is, the small quantity of damaged "cracked" corn should not be picked out after screening and classified as a part of the damaged corn.

The finely broken pieces which will pass thru the sieve with the smaller perforations should be classed with the foreign material, and the large pieces which remain on the sieve with the quarter-inch holes should be classed with the whole kernels.

All coarsely broken pieces of kernels that will pass thru the metal sieve perforated with round holes one-quarter of an inch in diameter (first sieve) and are retained on the sieve with the smaller perforations (second sieve) shall be considered as "cracked" corn, as shown in figure 5. This is the only broken corn which should be so classified.

However, it is not intended that all material remaining on the sieve with the smaller holes shall be classed as "cracked" corn. All small whole kernels, such as those that are shown in figure 6, which will go thru the sieve with the quarter-inch holes should be picked out after screening and classed as whole corn. Likewise, any "other grains," pieces of cob, or other foreign material remaining with the "cracked" corn on the sieve with the smaller holes should be picked out and added to the foreign material, dirt, etc. In applying these grades, no separation should be made of the sound and the damaged "cracked" corn, but the whole should be classed only as "cracked" corn.

Color determinations should be made on not less than 100 grams of the screened sample; that is, after the "cracked" corn and foreign material have been removed. All grades of white corn require that at least 98%, by weight, shall be white, as stated in general rule No. 2, and all grades of yellow corn require that at least 95% shall be yellow, as provided in general rule No. 3. In most cases, when examining white corn it will not be necessary to make weighings unless there are more than 5 kernels of corn of other colors, and on yellow corn, unless there are more than 12 kernels of other colors, in a 100-gram sample, as 5 kernels will usually be less than 2% and 12 kernels less than 5%.

In order to bring about the greatest uniformity of application some of the more important types of kernels from the standpoint of color are shown in a color plate accompanying Bulletin 168. This plate shows 27 differently colored kernels, and 26 colored kernels showing types of damage.



Fig. 3. Passing Material Passing Thru Small Perforations, Natural Size.



Fig. 4. Coarse Material Which Will Not Pass Small Perforations. Natural Size.

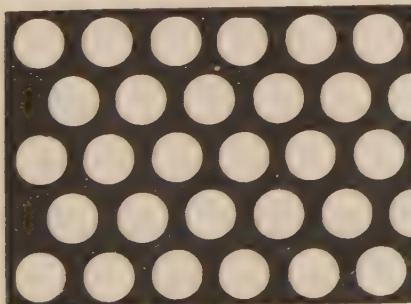


Fig. 5. Section of Sieve: Holes 1/4 in. in Diameter.

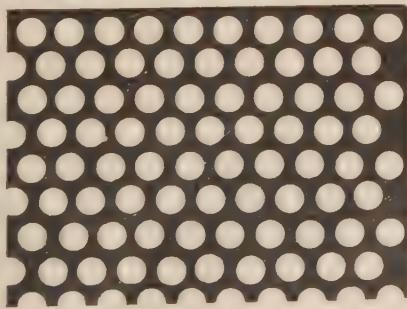


Fig. 6. Section of Sieve: Holes 9/64 in. in Diameter.

Feedstuffs

LAKE CHARLES, LA.—We are installing a molasses mix feed plant at the present.—Lake Charles Grain Co., Ltd.

BRITISH GOVERNMENT has prohibited the exportation from England of jute yarns, jute piece goods, bags or sacks, to any destination.

THE M. C. PETERS MILL Co., Omaha, Neb., is constructing a 50,000-bu. elevator and bag factory. The Burrell Eng. & Const. Co. is doing the work.

The Thompson Bros. Feed Co. has been incorporated at Chicago with \$20,000 capital stock by T. O. and R. O. Thompson and A. A. Levisohn.

PEORIA RECEIVED 3,681 tons of feed during June, 1915, compared with 4,329 tons for the same month last year; and shipped 13,209 tons, compared with 8,366 tons during June, 1914.

THE KORNFALFA MILLING Co., Kansas City, Mo., has completed plans for an alfalfa mill at Manderson, Wyo. Work will be started immediately, as it is hoped to have the plant in operation September 15.

L. L. PATTERSON, oldest member of the feed and milling trade at Syracuse, N. Y., died July 5 of heart failure. Mr. Patterson was engaged in the trade 54 years, and was head of the Patterson Flour & Feed Co.

THE OMAHA ALFALFA MILLING Co., Omaha, Neb., expects to complete its two new mills at Lovell and Garland, Wyo., before September 1. F. M. Hughes, who is in charge of construction, will act as manager of the properties after completion. Capacity will be 100 tons each.

THE MUTUAL MILLERS and Feed Dealers Ass'n of western New York and northwestern Pennsylvania, held a meeting at the Board of Commerce Hall, Jamestown, N. Y., July 16 and 17. Addresses were delivered by Pres. Walter Merrick, Corry, Pa.; A. W. Carpenter and H. C. Elwood, Buffalo.

THE DEPT' OF AGRICULTURE has extended until Jan. 1, 1916, the privilege of using labels and cartons printed prior to May 11, 1914, which do not show the quantity of contents of food in terms of the largest unit. On labels of this character, however, the food contents must be otherwise plainly and correctly indicated.

THE OTTO WEISS Alfalfa Stock Food Co., Wichita, Kan., has increased the amount of its capital stock from \$100,000 to \$200,000, and has been authorized to change its corporate name to the Weiss Milling Co. A new warehouse, 50x170 feet is to be added to the Wichita plant and after its completion a mill will be erected, presumably at Garden City.

AMONG THE SUBSTITUTES for oats being experimented with in Germany is a sugar feed containing 85% of sugar and 15% of cut straw. Another popular substitute is "beet crumbs," containing 4.46% of protein, 0.18% fat, 13.34% moisture, 3.44% mineral constituents, 68.07% non-nitrogenous extractive principles. "Beet crumbs" total 82 feed value units, compared with 81 units in the sugar feed. Both feeds cause the animals to become

very thirsty, but the increased consumption of water it is not believed will prove injurious, except perhaps in the case of draft animals. Dried chicory roots are also said to make an excellent substitute for oats, the analysis being as follows: Protein, 4.85%; fat, 0.85%; moisture, 13.79%; mineral constituents, non-nitrogenous extractive principles, 69.73%.

THE GRAIN DEALERS JOURNAL contains a lot of interesting news and data.—Texas Grain & Elevator Co., Fort Worth, Tex.

THE FOLLOWING VESSELS are now loading export grain at Philadelphia: Cayo Gitano for United Kingdom; Colla for West Coast of Italy; East Wales for France; Eir for the Continent; Hawkhead for the United Kingdom; Josef Fredrik for France; Pilar de Larrinaga for France; Sheaf Blade for the Continent and the Tripoli for Italy.

ACCEPTING recent official reports and the most reliable available semi-official data, an analysis suggests that at the present time the countries in which crops are maturing have a prospect indicating a net increase of about 350,000,000 in excess of last year. Assuming a normal development for the forthcoming crops of the Southern hemisphere and India, which are starting under favorable climatic conditions and increased acreage, the 1915-16 world's crop would exceed that of the previous year by 450,000,000 bushels and total approximately 4,200,000,000 bus. Of this total, if military and commercial development permitted, exporting countries would have available for distribution to importing countries, an estimated total of 1,150,000,000 bushels. The world's import requirements during the past year (exclusive of Germany and Austria-Hungary) totalled 590,000,000 bushels. Their requirements during the present year are estimated at 550,000,000 to 575,000,000 bus.—Keusch & Schwartz Co.

Concrete Country Elevator.

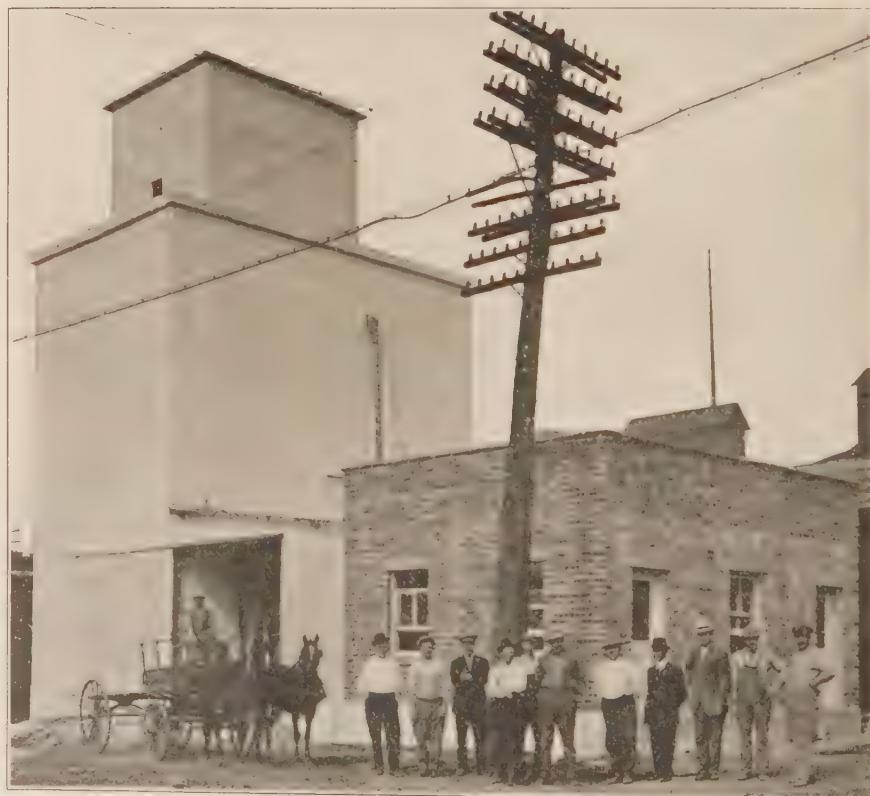
A good example of reinforced concrete construction of the square bin style for a country grain elevator is presented by the new elevator of Renkes Bros., at Morrison, Ill. The firm operates the elevator in connection with the Morrison City Mills, of which they are proprietors, so that the elevator is primarily a storage and handling house and not equipped with cleaning machinery.

A departure from the common practice in country elevators is the use of regular belt conveyor, like those used in terminal elevators, under the wagon dump sink, to carry the grain horizontally into the elevator boot. This enables the wagon dump to be set lower and the sink to have larger capacity, its outlet being thru three gates, and the belt in no way crushes the grain. This belt is driven by an independent 3-h.p. electric motor.

The house is 21x30 ft., and 51 ft. 9 ins. high, having 6 outer bins, 7x10 ft. running down into the basement, and three large and one small bins overhead. The driveway is 18 ft. wide and the roomy office adjoining driveway is 20x25 ft., with an inner private office 11x11 ft. The elevator is of reinforced concrete and the office of brick, all having a 3-ply tar and felt gravel roof.

Part of one bin space is occupied by the single stand of elevators, having 10x6-V buckets, ladder and Constant Manlift. In the cupola is a Richardson Automatic Scale of 2,000 bus. capacity and 5-h.p. motor driving the countershaft. Some of the bins are emptied by discharging direct into elevator boot, and others by discharging on the 18-inch belt conveyor delivering to boot.

The distributing spout in the cupola reaches any bin, the automatic scale and the 6-in. wagon spout as well as the 8-in. car spout. A third spout will connect with the mill building being erected, 56x60 ft., of brick with concrete floors.



Renkes Bros.' Concrete Elevator at Morrison, Ill.

The storage capacity is 20,000 bus. In the engravings are reproduced plans of office, section thru driveway, cross section, longitudinal section, basement plan, first floor plan, plan of overhead bins and cupola floor plan. This clean-cut plant was designed and erected by the Burrell Engineering & Construction Co.

WE NEED the Grain Dealers Journal to get in touch with the seed trade, both for buying and selling, as well as to keep posted on general conditions.—L. T. York, mgr., Farmers Society of Equity of Canyon County, Nampa, Ida.

Coming Conventions.

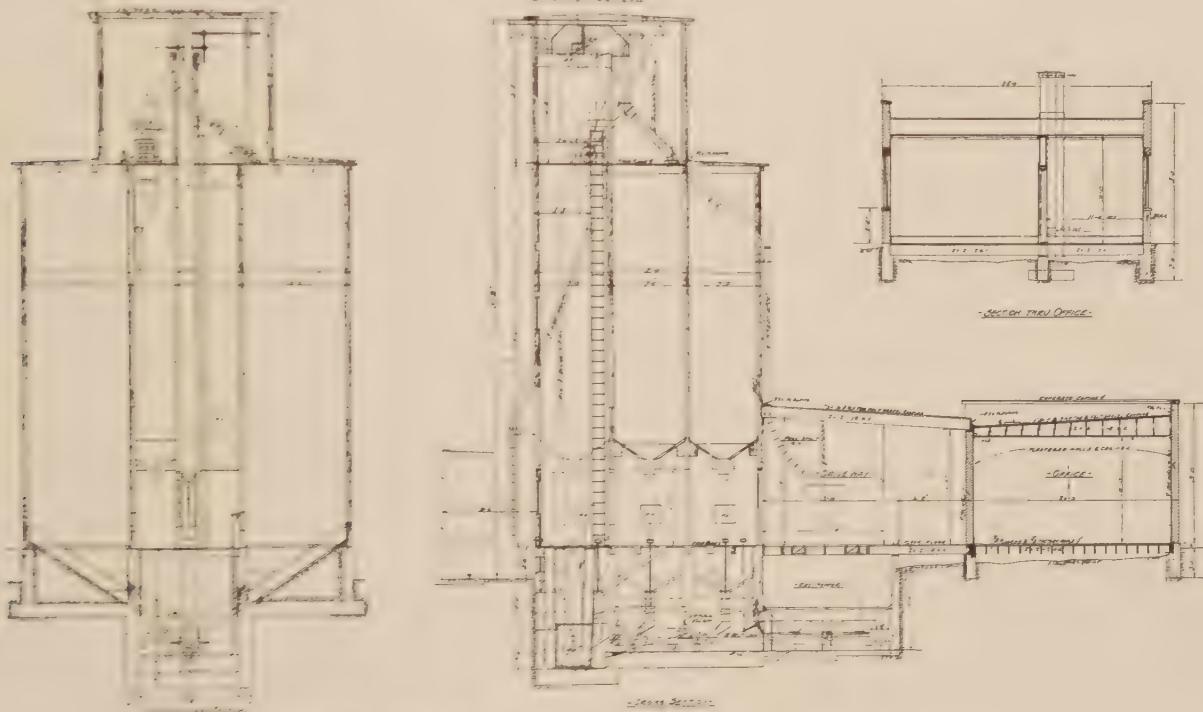
Aug. 5.—Michigan Hay & Grain Ass'n at Jackson, Mich.

Oct. 11-13.—Grain Dealers National Ass'n at Peoria, Ill.

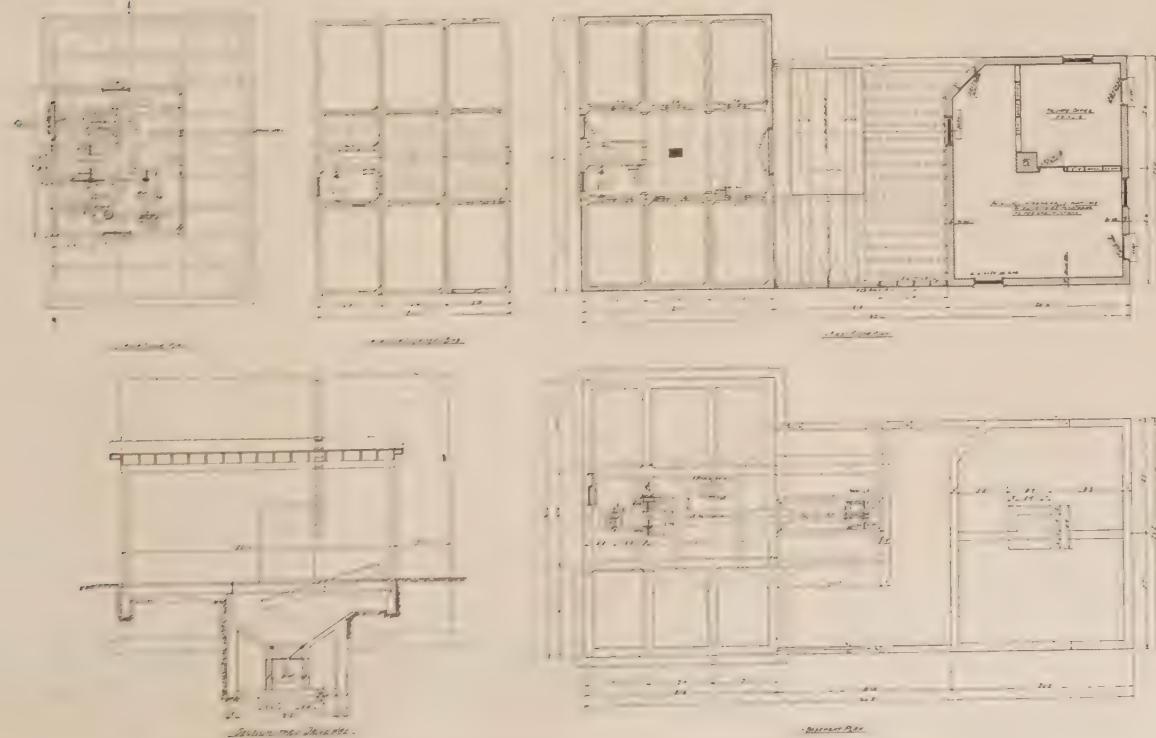
AN AGRICULTURAL co-operative society has been organized at Casilda, Province of Santa Fe, Argentina, to store and sell produce for its members, dealing direct with exporters. The company will operate under the name Economia Agricola, and has purchased sheds and machinery for shelling corn.

DEPT OF TRADE and commerce of Ottawa, Can., is asking for tenders for the transportation of 1,000,000 bushels of wheat to Montreal. This is the grain purchased by the Dep't for the government of New Zealand.

LIBEL was filed July 3, 1914 by the United States attorney for the District of Maryland for the seizure and condemnation of 250 bags of beans remaining unsold in the possession of E. P. Smith & Co., Baltimore, alleging that the product was adulterated in violation of the food and drugs act. The beans were ordered released on bond.



Longitudinal and Cross Section Plans of Renkes Bros.' Elevator at Morrison, Ill.



Basement, First Floor, Bin, Cupola and Driveway Plans of Renkes Bros.' Elevator at Morrison, Ill.

Grain Trade News

ARKANSAS

Little Rock, Ark.—The Neola Elvtr. Co., of Chicago, Ill., will be represented here by the Munn Brokerage Co.

Little Rock, Ark.—Stealing grain from an elvtr. is charged against a man named John Shatzer, under arrest.

Fayetteville, Ark.—Moses Baum recently celebrated the 50th anniversary of his connection with the grain and feed business.

Arkansas City, Ark.—Grain dealers and millers from various points in Kansas and Oklahoma met here July 10 for the purpose of discussing crop conditions in this section of the country.

CANADA

Winnipeg, Man.—The business of the Square Deal Grain Co. will be wound up by the government.

MacLeod, Alta.—Plans are being made for a 60,000-bu. elvtr. to replace the one destroyed by fire recently.

Port Colborne, Ont.—The Maple Leaf Mfg. Co. has closed its elvtr. and milling plant. It will be overhauled and repairs made.

Winnipeg, Man.—William James Lindsay, of the Matheson-Lindsay Grain Co., died July 19 after a long illness. He was 61 years of age.

Montreal, Que.—T. R. McCarthy, ship broker and a member of the Board of Trade for 18 years, died recently after an illness of 15 months' duration.

Fort William, Ont.—The Ogilvie Flour Mills Co., Ltd., is building an addition to its large elvtr. The company will erect elvtrs. in western Canada this year.

Port Arthur, Ont.—The Norris Grain Co. has not leased the elvtr. here as was incorrectly reported. The house will continue to be operated as a public elvtr.

Montreal, Que.—Contract for a 1,500,000-bu. addition to Elvtr. No. 1 has been awarded by the Harbor Com's'ners to the George A. Fuller Co., Ltd. The contract price is \$750,000.

Blackwell, Ont.—The property and assets of the Canadian Cereal & Mfg. Co. are for sale according to a judgment of the Ontario Supreme Court. Bids will be received until Aug. 1. The property, which is divided into 12 parts, consists of 11 plants and all other assets, good will, etc.

Toronto, Ont.—We are indebted to Sec'y F. G. Morley for a copy of the year book of the Board of Trade for 1914. It is complete in every way and is handsomely illustrated. It contains a report of the formal opening of the new quarters, list of members, officers and com'tes, the president's address, sec'y's report and other valuable information.

Fort William, Ont.—The lease of the Grand Trunk Pacific property at the head of the lakes including the Superior Jctn.-section and the terminal and elvtr. facilities has been signed and the government has now full control of the property for 999 years. The consideration is \$600,000 per year, this being on the basis of 4½% upon the cost of the property. The government has now control of the National Transcontinental for operating purposes from Winnipeg to Moncton.

COLORADO

Otis, Colo.—James Morrison has assumed the management of the Farmers Union Elvtr. Co.

Yuma, Colo.—We have completely overhauled our old elvtr. and are adding a 15,000-bu. annex. G. H. Birchard is doing the work.—Agt. Shannon Grain Co.

New Raymer, Colo.—Local capitalists have formed a company and an elvtr. is being erected.

Grover, Colo.—Business men and farmers are planning to build an elvtr. at a cost of about \$5,000. It will be equipped for grinding feed and will be completed by Oct. 1.

Denver, Colo.—John F. Gallagher, mgr. of the Denver Elvtr. Co. for the past 6 years, is now mgr. of the O'Donnell Grain Co. He has opened an office in the Ideal Bldg.

Fort Collins, Colo.—The W. C. Moore Mfg. & Elvtr. Co. has sold its elvtrs. here and at Wellington and Timnath to the Longmont Farmers Mfg. & Elvtr. Co., of Longmont, which will take charge at once. I will retire after being actively engaged in the grain business for 30 years.—W. C. Moore.

IDAHO

Marshfield, Ida.—The Burley Mfg. & Elvtr. Co. will install a Hall Special Elvtr. leg in its elvtr.

Agatha, Ida.—The Farmers Union is interested in a proposition to build an elvtr., warehouse and grain chute near this station.

Amsterdam, Ida.—The Twin Falls Mfg. Co., of Twin Falls, will build an elvtr. Work will be started soon and rushed to completion.

Berger, Ida.—The Twin Falls Mfg. & Elvtr. Co. is equipping its elvtrs. at Amsterdam, Eden, Murtaugh and this station with Hall Special Elvtr. Legs.

Glenns Ferry, Ida.—The Colorado Mfg. & Elvtr. Co., of Denver, Colo., is contemplating the erection of a line of elvtrs. starting here and extending to Twin Falls, Minidoka, American Falls, Pocatello, McCammon and Arimo.

Caldwell, Ida.—Work is progressing on the reinforced concrete elvtr. and bins now under construction for the Idaho Mfg. & Feed Co. They will be fireproof and germ proof. The 3 bins which are 14 ft. in diameter and 40 ft. high, will have a capacity of 12,000 bus., making the total storage capacity 20,000 bus.

ILLINOIS

Blandinsville, Ill.—H. E. Roberts will install a Boss Car Loader.

Avon, Ill.—Bader & Co. have repaired their elvtr. at this station.

Cortland, Ill.—The Cortland Mills & Elvtr. will install a Boss Car Loader.

Seymour, Ill.—Wm. Murray has installed a grain conveyor in his elvtr.

Prairie City, Ill.—Bader & Co. have installed new scales in their elvtr.

Mason City, Ill.—The Farmers Elvtr. Co. is painting its elvtr. cream color.

Alvin, Ill.—I am now mgr. of the Farmers Elvtr. Co.—E. J. Feigenhauer.

Minier, Ill., L. A. Warner, of Peoria, is now mgr. of the Minier Grain Co.

Missal, Ill.—New windows are being put in the elvtr. of the Farmers Grain Co.

Elliott, Ill.—J. S. Cameron will have his new fireproof elvtr. completed about Aug. 10.

Watseka, Ill.—We are building a new ear corn dump.—H. W. Bell, Farmers Grain Co.

Adeline, Ill.—The Neola Elvtr. Co. is putting a concrete foundation under its new scale.

Woosung, Ill.—I have succeeded Mr. Walb as agt. of the B. P. Hill Grain Co.—C. E. Quaco.

Leroy, Ill.—The purchaser of the elvtr. at this station is not Welton but W. A. Walters.

Decatur, Ill.—The Shellabarger Elvtr. Co. is installing a Beall Cleaner in its new elvtr.

Chesterville, Ill.—Davis Bros. have traded their elvtr. for the elvtr. of C. A. Ruple at Galton.

Funks Grove (Shirley p. o.) Ill.—The Funk Bros. Seed Co. has erected a new coal house.

Mount Auburn, Ill.—L. S. Stuckey, of Maumet, has taken charge of an elvtr. at this station.

Beaverville, Ill.—The H. L. Lambert Co. will equip its elvtrs. with 2 Hall Signaling Distributors.

Viola, Ill.—A. G. Flakes is mgr. of the recently incorporated Farmers Elvtr. & Supply Co.—C.

Forest City, Ill.—The Forest City Grain Co. will tear down its corn cribs and rebuild new ones.

Merritt, Ill.—A. Harris has been appointed mgr. of the Farmers Elvtr. Co.'s new 40,000-bu. elvtr.

Dahlgren, Ill.—The Dahlgren Mfg. Co. has completed its new steel storage, making its total capacity 20,000 bus.

Moweaqua, Ill.—James M. Rodman, who retired from the grain business here 5 years ago, died recently.

East St. Louis, Ill.—The Hezel Mfg. Co. is preparing to build an addition to its elvtr. to cost about \$15,000.

Ellery, Ill.—French Bros., operating elvtrs. at Browns and Golden Gate, have just completed an elvtr. here.

Ridge Farm, Ill.—Joe and Jake Kendall have engaged in the grain business here and at Humrick as Kendall Bros.

Kernan, Ill.—Fire destroyed the elvtr. of Milton Funk July 17, entailing a loss of \$10,000, partly covered by insurance.

Neola, Ill.—Farmers Grain & Supply Co. incorporated; capital stock, \$10,000; incorporators, M. S. Garrett and others.

Streator, Ill.—Clement Funk, son of Milton Funk, elvtr. operator, was accidentally asphyxiated by gas at Chicago July 19.

Kankakee, Ill.—Walter Heinrich, operator for the Bennett Grain Co., was married July 17 to Miss Ethlyn Christenson.

De Kalb, Ill.—A petition to have the De Kalb Cereal Co. declared bankrupt has been filed by John G. Cook and others.

Byron, Ill.—Contract has been let and work started on our new 20,000-bu. elvtr. Wiley S. Johnston is pres.—Farmers Grain Co.

Galton, Ill.—Davis Bros., of Arthur, will operate the elvtr. of C. A. Ruple, having traded their elvtr. at Chesterville for his elvtr. here.

Dillon Crossing (Pekin p. o.) Ill.—The Bement Grain Co. will install a Beall Rotating Cleaner in its new elvtr. now under construction.

Murphysboro, Ill.—Willard Well, pres. of the Southern Illinois Mfg. Co., which operates an elvtr., was killed July 13 in a motorcycle accident.

Mable sta. (Ridge Farm p. o.) Ill.—I. C. Woodyard is building an 80,000-bu. elvtr. at this station.—A. J. Quick, agt. National Elvtr. Co., Ridge Farm.

Vermillion, Ill.—We have torn down our old elvtr. and built a 50,000-bu. house. A gas engine has been installed.—W. M. Givens, agt. Rudy & Co.

Peoria, Ill.—C. H. Williamson, who has been in the Havana office of G. C. McFadden & Co. for some time, has been transferred to this office.

Baileyville, Ill.—Farmers Grain Co. incorporated; capital stock, \$15,000; incorporators, Elmer Veitmeier, Benjamin Hes-senius and O. A. Oitmaus.

Highland, Ill.—The Highland Mfg. Co. has found it necessary to install a Hess Drier on account of the tough wheat coming from the new harvest.

Brighton, Ill.—The Brighton Grain, Flour & Feed Co. has remodeled the Yale Mill into an elvtr. The company will discontinue the milling business and handle grain only.

Wataga, Ill.—C. F. Whitfield, of Marinette, Wis., has bot the property of the Wataga Mill & Electric Light Co. and will engage in the grain, feed and flour business.

Parnell, Ill.—The elvtr. of Dewitt C. Armstrong was recently damaged by the burning of exposing property. No serious loss was sustained, only damage from heat.—S.

Magnet sta. (Mattoon p. o.), Ill.—We have bot the elvtr. of Thos. Ferguson. Dan B. Moberley will manage the business under the name of the Moberley Bros.—J. W. Moberley & Sons, Gays.

Peoria, Ill.—C. H. Williamson, Jr. has been admitted to membership in the Board of Trade on transfer from Moses Morris Hoonvader and John Finley on transfer from Walter Barker.—John R. Lofgren, sec'y.

Walton, Ill.—The Walton Equity Exchange has bot the elvtr. and other property of the Neola Elvtr. Co. and will take possession at once. F. J. Whitmore, agt. for the Neola Elvtr. Co., will be retained as mgr.

Alton, Ill.—The Stanard-Tilton Mfg. Co. has let contract for 4 concrete grain tanks, 23 ft. in diameter and 80 ft. high, to be erected as an addition to its present plant. The Macdonald Engineering Co. has the contract.

Cairo, Ill.—Ralph J. Pendleton, of the Pendleton Grain Co., St. Louis, Mo., will operate the Cairo Elvtr., which he operated several years ago, in connection with the Mississippi Valley and Central "B" Elvtrs. at St. Louis.

Jacksonville, Ill.—The Norris Grain Co., of Chicago, of which H. C. Goebel is local mgr., entertained elvtr. operators and grain dealers at a banquet July 17. Closer cooperation between elvtr. mgrs. and grain brokers was discussed.

Elliott, Ill.—Work is progressing on the new 20,000-bu. studded elvtr. of J. S. Cameron. Equipment includes B. S. Constant conveying machinery and a 2,250-bu. Richardson Automatic Scale. Saathoff & Amacher have the contract.

Cragin, Ill.—The Northwestern Malt & Grain Co. has completed 8 concrete grain storage tanks making its total capacity 1,500,000 bus. The Stephens Engineering Co., which built the original plant, has the contract for the addition.

Wayne sta. (Delavan p. o.) Ill.—We sold our elvtr. here to the Farmers Elvtr. Co. of Delavan. It is situated on the C. & A. R. R. between Delavan and Hopedale. The house will be operated from the Delavan office.—Wayne Bros. Grain Co., Delavan.

Windsor, Ill.—The Windsor Grain Co. has installed an elvtr. leg and conveyor in its oat warehouse for filling and distributing oats when filling which will be operated by an electric motor in connection with its grain elvtr.—W. B. Wallace, mgr.

Esmond, Ill.—We are remodeling our elvtr. putting in all new machinery. We are installing a belt conveyor fitted with 12x7 buckets, rope drive, a Hall Signaling Distributor and a 10-h.p. gasoline engine. Work will be completed about Aug. 1.—Farmers Grain Co.

Johnson, Ill.—The large elvtr. of Spellman & Co., with contents, was totally destroyed by fire of unknown origin, July 9. The loss is about \$12,000, partly covered by insurance. Seven thousand bus. of corn, not insured, were destroyed. Immediate steps will be taken to rebuild.

Chillicothe, Ill.—The Turner-Hudnut Co. will rebuild its elvtr., which burned July 5, as soon as possible. Discovery of the fact that the office had been entered strengthened the belief that the fire was of incendiary origin. The new house will be a modern fireproof structure. Clifford H. Mead is mgr., succeeding George McWhorter, who was in charge for several years.

Danville, Ill.—The Illinois and Indiana grain dealers held a splendid joint meeting July 15 with 45 in attendance. Prospects, crops and discounts were generally discussed. V. E. Butler, of Indianapolis, Ind., talked on the cost of accounting.—E. B. Hitchcock, sec'y Illinois Grain Dealers Ass'n.

Kewanee, Ill.—I have nearly 500 ft. of railroad frontage west of the site from which I was obliged to remove my elvtr. to make room for a depot for the C. B. & Q. and I will build my elvtr. on this ground. My retail feed business and mill are now permanently located on Main St.—C. A. Wylie.

Ava, Ill.—Murry Dean, pres. and principal owner of the Dean Mfg. Co. here and the Reliance Mfg. Co. at Murphysboro, operating elvtrs., died July 11, aged 69 years. He was a member of the Parrott-Day Co. at St. Louis, Mo., until 1908 and also a member of the St. Louis Merchants Exchange for more than 25 years.

Gays, Ill.—The elvtr. we recently purchased is situated on the Big 4 R. R. and was built by W. A. Treat & Co. in 1910. Mr. Treat has been continuously in the grain business at this stand for 36 years, being the second oldest grain dealer between St. Louis and Indianapolis. He will retire in good financial as well as physical shape.—Morris & Stone, Mattoon, Charles Oze, of Allenville, has been placed in charge of the elvtr.

Springfield, Ill.—Pres. Dewein, of the Illinois Grain Dealers Ass'n, Pres. Rice and Sec'y Steinhart of the Farmers Grain Dealers Ass'n, Former Speaker Adkins, of Benton, C. W. Savage and son, of Virginia, and myself attended a conference called by the public utilities com'sn relative to the usage and rules for the storage of grain in country elvtrs. with a view to securing a uniform system.—E. B. Hitchcock, sec'y Illinois Grain Dealers Ass'n.

Sloan's Crossing (Sadorus p. o.) Ill.—Plans have been made for a 35,000-bu. up-to-date elvtr. to be erected on the site recently purchased by R. J. Steven and myself which is half way between Ivesdale and Sadorus. Work will be started as soon as we get a side track and we expect to be ready for business Dec. 1. I will continue as agt. of the Saffern-Hunt Mills at Sadorus and will operate both elvtrs. from that place.—J. A. Freeman, Sadorus.

The Southern Illinois Millers' Ass'n has decided to adopt the plan of the Columbia Star Mfg. Co., Columbia, Ill., in purchasing wheat at elvtrs. The plan is to pay the market price for wheat testing 59 lbs. to the bu.; 1c less for 58-lb. wheat; 2c less for 57 lbs.; 4c less for 56 lbs. and 6c less for 55 lbs. Mills will also pay 1c per pound premium for every pound over 59 test. This scale was adopted because of the great difference in quality of this year's wheat.

Bloomington, Ill.—Members of the claims com'ite of the Illinois Grain Dealers Ass'n, consisting of F. S. Larison, chairman, El Paso, J. M. Allen, Decatur, Frank Yates, Rantoul, Victor Dewein, pres., R. C. Baldwin, director, W. R. Bach, attorney and myself, met here recently and made plans for the year's work. Attorney Bach was re-engaged for the year. It was decided to prosecute suits for loss of grain from non-leaking cars and to carry the suits up to the highest courts for final decision. E. B. Hitchcock, sec'y Illinois Grain Dealers Ass'n.

Urbana, Ill.—To prevent injury to wheat in Illinois by the Hessian fly select for sowing varieties of wheat with a hard straw, and especially those which will stool or tiller freely from the root. Sow as late as, in the general judgment of the region, is safe in view of the possibility of winter-killing. The dates for an average year may be approximately as follows: northern Illinois, Sept. 20; central Illinois, Sept. 30; southern Illinois, Oct. 10. Burn the stubble of fields that have been infested.—Stephen A. Forbes, state entomologist.

Jones Switch (Mattoon p. o.) Ill.—I have sold my elvtr. to Ernest Orendorff, of Mattoon, who will conduct the business from his office there. I will retire for a year or so on account of illness after having been continuously in the grain business since 1896, when I built my first elvtr. which burned in 1906 and was replaced by the present house.—W. D. Jones.

Tremont, Ill.—A suit has been filed in the circuit court at Pekin by the Tremont Mutual Grain Co. against Henry Stamm, Silas Stamm, Dora Berkay, Cleo Stamm et al. The company made 2 purchases of corn from Henry Stamm amounting to 2,804 bus. and agreed and is ready to pay 65c a bu. for it. The defendants got into some controversy among themselves and the grain company is unable to decide who is to get the balance of money due on the deal, all the parties claiming it, and has deposited the amount with the clerk of the circuit court and started suit.

CHICAGO NOTES.

The dust collecting system in the Santa Fe Elvtr. is being remodeled and completely overhauled.

Application has been made to have Calumet Elvtr. "B" declared regular. A license as public warehouse has been granted.

James Booth, with Logan & Bryan, celebrated his silver wedding anniversary recently. Friends presented him with a loving cup.

Alister Geddes, a brother of John Geddes and a son of the late Alexander Geddes, well known in the grain trade, has, like his brother, been killed in action in Europe.

CHICAGO CALLERS: John B. Warner and William Godel, Wilmington, Ill.; H. S. Johnson, mgr. Farmers Grain & Supply Co., Elberon, Ia., George Livingston, Office of Markets, U. S. Dept. of Agriculture, Washington, D. C.

James S. Coon, Riley E. Pratt, Moses Cohen and Clement D. Cates have applied for membership in the Board of Trade. W. E. White, Edward G. McDougall, Herman Stoltze, Fred W. Haines, Joseph H. Hogan, A. J. Frauchtwanger, of Denver, Colo., Carlos Falk and Charles R. Leonard, of New York, N. Y., and H. A. Norcross, of Beatrice, Neb., have been admitted to membership, and the memberships of John S. Lonsdale, Richard M. Sayers, B. A. Lewis, G. H. Menden, Robert L. Morris, Jr., Daniel C. Miller and the estate of Frank T. Bliss have been posted for transfer. Memberships are quoted at \$2,900 net to buyer.

INDIANA

Hardinsburgh, Ind.—The Hardinsburgh Mfg. Co. has been dissolved.

Jamestown, Ind.—The Stafford Grain Co. has installed a new seed cleaner.

Metamora, Ind.—I have purchased the elvtr. and mills of F. A. Wright.—C. A. Riley.

Franklin, Ind.—Valentine & Valentine have opened their recently completed elvtr. for business.

Galveston, Ind.—The Galveston Grain Co., which sold its elvtr. last May, has filed notice of dissolution.

Muncie, Ind.—William Seery, treas. of the Hibbitts Mfg. Co., was married recently to Miss Leona Watson.

Dale, Ind.—An unsuccessful attempt was made to rob the safe in the office of the elvtr. of the Wallace Mfg. Co.

Arcola, Ind.—The evtr. here did not blow down in the recent storm. It was a warehouse in course of construction.—E. N.

Troy, Ind.—Peter Backer & Sons have installed a Hess Drier to take care of the tough wheat coming from the new harvest.

Shirley, Ind.—I sold my elvtr. last March and have decided not to engage in the grain business again.—H. C. Clark, Fowler.

Hamlet, Ind.—J. C. Young has bot the elvtr. of C. Cunningham and will operate as the Hamlet Grain Co. with E. Young as mgr.

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Evansville, Ind.—William J. Craitz will be mgr. of the branch office which Thompson & McKinnon, of Chicago, Ill., will open in this city.

Yorktown, Ind.—J. G. Donovan and his son, Dan W., have purchased the elvtr. owned by the late John S. Huffer and will continue its operation.

Chalmers, Ind.—Ross, Ross & Barr have overhauled their elvtr. and built a feed room addition to the office. The driveway and dump are being repaired.

Keystone, Ind.—The Farmers Co-operative Grain Co. has completed its organization and is ready to take over the elvtr. of F. E. Haller. O. L. Lancaster is pres.

Evansville, Ind.—Mead Johnson & Co., of Jersey City, N. J., have bot a vacant factory and will remove to this city.—J. C. Keller, sec'y Evansville Business Ass'n.

Auburn, Ind.—The J. M. Carmer Co. incorporated to deal in grain, hay and wool; capital stock, \$10,000; incorporators, J. M. Carmer, E. C. Walker and G. W. Clouse.

Colfax, Ind.—The Colfax Grain Co. has installed Fairbanks Hopper Scales and put the house in first-class shape for the coming crop. The Efficient Erecting Co. did the work.

Tell City, Ind.—The Tell City Flouring Mills Co., operating an elvtr., has found it necessary to install a Hess Drier on account of the tough wheat coming from the new harvest.

Ligonier, Ind.—The recently organized Farmers Elvtr. & Supply Co. is building a 40,000-bu. cribbed elvtr. The equipment includes a Western Sheller, Cleaner and conveying machinery. Saathoff & Amacher have the contract.

Sharpsville, Ind.—J. F. Barlow, of Batchelor, Barlow & Batchelor, has disposed of his interest in the grain business at this station. The firm will hereafter be operated under our name under the active management of J. C. and J. J. Batchelor.—Batchelor & Batchelor.

Terre Haute, Ind.—A joint meeting of the Illinois and Indiana grain dealers was held in this city July 15. The attendance was small, as the dealers are busy with grain, threshing general, and some wheat coming to stations. There was a good deal of talk of discounts.—E. B. Hitchcock, sec'y Illinois Grain Dealers Ass'n.

Kentland, Ind.—Before a large gathering of his friends and admirers on July 14 the boom of Warren T. McCray for governor of Indiana was formally launched. Urged by many friends Mr. McCray finally consented to make the race, and in his speech of acceptance said: "I fully realize the honor of even being considered in connection with the office of governor of the greatest state in the American Union, but to me it is even a greater honor to have the confidence and good will of those with whom I have lived and mingled for so many years." Mr. McCray was born on a farm near Brook, Ind., in 1865, gained some business experience as a clerk in his father's bank, bot a grocery, joined R. G. Risser of Kankakee, Ill., in the grain business in 1887, and operated 7 elvtrs. and a large transfer elvtr. He is now pres. of the McCray Grain Co., which operates elvtrs. at Kentland, Effner and Perkins, has an interest in an elvtr. at Ade, and is vice pres. of the Sawers Grain Co., Chicago. In 1900 he was elected pres. of the Grain Dealers National Ass'n and served 3 years in succession. He acquired by his own efforts a farm of 1,400 acres on which he developed the finest herd of Hereford cattle in the world. He is pres. of the Discount and Deposit State Bank. He was a member of the old town council and built the first macadam street. He served on the school board, the park board, was a delegate to the Republican National Convention in 1900, for 7 years a member of the board of trustees of the Northern Indiana Hospital, and now is pres. of the Indiana State Board of Agriculture. He will deserve and get the unanimous support of the grain trade for any office for which he chooses to be a candidate.

Kempton, Ind.—Jas. B. Peters has just completed a 10,000-bu. elvtr. This was erected by the Efficient Erecting Co. in 9 days, all enclosed and ready for the machinery.

Brevoort Switch (St. Francisville p. o., Ill.), Ind.—We are incorporated under the laws of Illinois and have now taken out foreign corporation papers under the laws of Indiana. We operate an elvtr. here, which is 3 miles south of Vincennes, Ind., on the Big 4 Ry. Elmer Winkler is mgr.—C. W. Baker, sec'y-treas. Baker Mill & Elvtr. Co., St. Francisville, Ill.

Merom sta. (Merom p. o.), Ind.—Cliff W. Sullivan, prop. of an elvtr. here filed suit at Sullivan for \$600 damages against Arthur Kaufman and John R. Allen. In the complaint he alleges that he contracted with Kaufman for at least 1,100 bus. of wheat to be delivered after threshing, and that Kaufman sold the wheat to Allen. The plaintiff says that his contract called for 95c to be paid for the wheat and that the defendant received \$1.15 a bu. for more than 1,100 bus.

INDIANAPOLIS LETTER.

Percy G. Jones, of Champaign, Ill., has engaged in the grain business with offices in the Board of Trade Bldg.

Paul Van Leunen & Co. are in the hands of a receiver. E. K. Shepherd, mgr. of the branch office of the Cleveland Grain Co., has been appointed receiver permanently.

August Ferger and John D. Mollett, of Cincinnati, O., P. G. Jones, of Champaign, Ill., Charles W. Sedwick, Harry G. Schwab, Mike Wolf and John W. Jordan, of this city, have been admitted to membership in the Board of Trade.

Several well known Indiana elvtrs. are included in the list of corporations which have been given big increases by the appraisement board of this state. The Indianapolis Elvtr. Co., appraised at \$37,500, has had the amount advanced to \$228,450.

Indianapolis, Ind.—E. W. Bassett has been indicted by the Marion county grand jury on charges of fraud and larceny in connection with the alleged issue of a draft for \$1,150. It was charged that this draft against F. H. Farnsworth, of Kokomo, was to cover a consignment of 88,000 lbs. of wheat to agents of Farnsworth in New York, N. Y. It is alleged that the draft was paid but that the consignment contained only 60,000 lbs., valued at \$535. Mr. Bassett was arrested and is now out on bond.

The Board of Trade has appointed the following com'tees: Grain—Harvey Mullins, chairman; Bert A. Boyd, H. E. Kinney, James M. Brafford, E. Clifford Barrett, E. K. Shepherd, Frank A. Witt, Harry J. Berry and P. M. Gale. Grain Arbitration—Edward D. Evans, chairman; Edgar D. Anderson and F. M. Montgomery. Grain Inspection Appeals—Charles A. Shotwell, chairman; W. B. Wells, Fred W. Scholl, Oscar V. Rouse and William C. Hayward. Grain Discount—Frank A. Witt, chairman; Harvey Mullins, Horace E. Kinney, E. K. Shepherd and P. M. Gale.

IOWA

Berkley, Ia.—The Farmers Elvtr. Co. is repairing its warehouse.

Newburg, Ia.—The Farmers Grain Co. has built a new brick office.

Matlock, Ia.—The Farmers Elvtr. Co. has decided to build a new elvtr.

Tabor, Ia.—George M. Gwynn, a well known grain dealer, died July 2.

Royal, Ia.—Chet Wager is agt. of De Wolf & Wells, succeeding John Aden.

Kimballton, Ia.—The elvtr. of E. Rothschild & Co. is being treated to a coat of paint.

Blairsburg, Ia.—Ray Stafford has succeeded S. C. Green as mgr. of the Farmers Elvtr. Co.

Sibley, Ia.—W. V. Willey, formerly mgr. of the Farmers Elvtr. Co. at Kenneth, Minn., is now mgr. of the Farmers Elvtr. Co. here.

Schleswig, Ia.—The Farmers Elvtr. Co. and the Farmers Lumber Co. will be consolidated.

Hutchins, Ia.—Mullin & Doughan will close their elvtr. from July 15 to Aug. 1 for repairs.

Palmer, Ia.—The Farmers Elvtr. Co. will sell its old annex and will build a new 30,-000-bu. elvtr.

Jerome, Ia.—J. Rosenbaum & Son have completed an elvtr. here and placed Geo. Wiley in charge.

Turin, Ia.—I. G. Kelly will buy grain on track until we build an elvtr.—F. A. Reese, Farmers Elvtr. Co.

Wesley, Ia.—We are building a 16x50x14 ft. coal shed.—Chas. Sankey, agt. Kunz Grain Co., Galbraith.

Waukon, Ia.—We have built a new coal shed. Our elvtr. is equipped with overhead bins.—F. H. Nagel.

Paton, Ia.—The elvtr., which the Clark Brown Grain Co., has had under construction, is about completed.

Strahan, Ia.—Salyers & Kayton have bot the grain and coal business of the Strahan Lumber & Hardware Co.

New London, Ia.—The tin roof of the elvtr. of the Farmers Elvtr. Co. was blown off in a recent storm.

Shenandoah, Ia.—George Van Buskirk has leased the elvtr. formerly owned by the Grain Growers Elvtr. Co.

Winfield, Ia.—We will build a large corn crib this fall.—H. W. Van Dyke, mgr. Winfield Elvtr. & Supply Co.

Denison, Ia.—Sears McHenry is tearing down the Luney Mill and will build a smaller elvtr. for private use.

Mason City, Ia.—The 6th district of the Iowa Farmers Grain Dealers Ass'n held an informal meeting here July 13.

Blencoe, Ia.—Geo. Arnold has been retained as mgr. and Mr. Wilson as ass't mgr. of the Farmers Elvtr. Co.

Little Cedar, Ia.—Mr. Houghton has been retained as mgr. of the Little Cedar Grain & Coal Co. for the coming year.

Kellogg, Ia.—F. I. Phipps, at one time mgr. of the Farmers Elvtr. Co., is not connected with the grain trade now.

Centerville, Ia.—J. Rosenbaum & Son will build grain houses at 3 or 4 stations for the accommodation of the farmers.

Ritter sta. (Sheldon p. o.), Ia.—The Farmers Elvtr. Co. is building a new office, installing new dumps and vault.

New London, Ia.—W. J. Francy, a stockholder and director of the A. D. Hayes Co., died the first part of the month.

Thor, Ia.—The Farmers Elvtr. Co. has let contract for a cribbed elvtr. to the Burrell Engineering & Construction Co.

Mallard, Ia.—The Farmers Grain Co. has let contract for a cribbed elvtr. to the Burrell Engineering & Construction Co.

Lohrville, Ia.—The Farmers Elvtr. Co. let contract for a cribbed elvtr. to the Burrell Engineering & Construction Co.

Brandon, Ia.—E. C. Wilson, grain buyer for the Farmers Elvtr. Co., is still nursing the eye he injured July 4 while celebrating.

Ladora, Ia.—The Farmers Supply Co. is installing a sheller and mill in its elvtr.—H. L. Schmutz, mgr. Ladora Lumber & Grain Co.

Le Mars, Ia.—The Farmers Elvtr. Co. has reorganized under the new state law governing co-operative companies. Ed. Luken is mgr.

Des Moines, Ia.—Doliver Kent, who was recently chosen sec'y of the Taylor & Patton Co., was married July 17 to Miss Coyla Bruce, of Rolfe.

Kiene, Ia.—We have a postoffice now. Mail was formerly sent thru the Masonville postoffice.—Delbert Cramer, agt. King Wilder Grain Co.

Bouton, Ia.—Wright & McWhinney, of Des Moines, have taken over the elvtr. of the defunct Farmers Grain Co. which they have held under lease for the past year. B. M. Swisher will remain as agt.

Plover, Ia.—The Farmers Grain & Coal Co. has made some additions and repairs. The Burrell Engineering & Construction Co. did the work.

Aplington, Ia.—We are putting in a new belt, new cups all around, fixing the wagon scale, new timbers, and we are painting the elvtr.—H. Dreyer, Jr.

Fayette, Ia.—J. J. Carrothers has traded Minnesota land for the elvtr., ice house and other property of A. N. Denier, possession to be given Aug. 1.

Webster City, Ia.—The elvtr., mill and residence property of the Webster City Mills has undergone general repairs, cementing and 2 coats of paint.

Wyman, Ia.—Sam England has bot the elvtr. of Metzger Bros. and will take possession Sept. 1.—H. W. Van Dyke, mgr. Winfield Elvtr. & Supply Co.

Toeterville, Ia.—I am putting in a Challenge Dump and contemplate installing an automatic scale and possibly a potato handling plant.—H. D. Mundt.

Sioux City, Ia.—R. C. Roberts has succeeded me as mgr. of the branch office of the Armour Grain Co. here.—J. L. Meara, of Armour Grain Co., Pontiac, Ill.

Marion, Ia.—I have not purchased an elvtr. here as was reported. The farmers have organized, so there is nothing for a private buyer.—C. N. Bates, Osage.

Luverne, Ia.—We are wrecking our old elvtr. which was built 35 years ago and are building a 16x64x12 ft. coal shed.—Chas. Sankey, agt. Kunz Grain Co., Galbraith.

Buffalo Center, Ia.—The Farmers Elvtr. Co. has built a new office and flour house and painted 1 of its elvtrs. and has made other improvements. Dan Kelly is mgr.

Grundy Center, Ia.—F. E. Billings, who owns 2 elvtrs. here, is moving his office to the one he purchased in March and will conduct his grain and coal business there.

Tingley, Ia.—I was employed by R. S. Spurrier to run his elvtr. here for 6 years. My time expired Mar. 1 and he is now operating the elvtr. himself.—Gordon Garver, Clarion.

Mapleton, Ia.—The Farmers Grain & Lumber Co. has been incorporated by F. M. Fooster, F. O. Wilson and others. A location will be secured and business started at once.

Sac City, Ia.—The interior of the elvtr. of J. B. Adams has been reconstructed and grain can now be handled twice as fast as with the old equipment. The elvtr. has also been painted.

Lundgren, Ia.—C. T. Likens, formerly bookkeeper of the S. E. Squires Grain Co. at Des Moines, Ia., has bot the elvtr. of the Wheeler Grain & Coal Co. He will reside at Fort Dodge.

Hopley sta. (Lewis p. o.), Ia.—Peter Hopley & Son will erect a 10,000-bu. elvtr. Contract has been let for the house to the Burrell Engineering & Construction Co., which will be managed by E. Rothschild & Co.

Charles City, Ia.—The Farmers Exchange Co. has added live stock to its grain buying business. It bot 3 carloads July 17, its first day in the market. I am back on the job in the office after a 10 days' vacation.—O. A. King.

Buck Grove, Ia.—Paul Schoening, who has been employed by the Farmers Elvtr. Co. at Denison, has bot the elvtr. of the Neola Elvtr. Co. J. J. Finnigan, agt. for the past 12 years, will be transferred to another station.

Sac City, Ia.—Work is progressing on the 40,000-bu. elvtr. for which the Independent Farmers Elvtr. Co. recently let contract. The office and flour room are about finished and the elvtr. will be completed by Aug. 15.

Meriden, Ia.—The Quaker Oats Co., which lately purchased the elvtr. of the Western Elvtr. Co., took possession July 6. I will remain in charge, having managed the business for the Western Elvtr. Co. for 8 years.—D. R. Miller.

Williams, Ia.—The interior of the elvtr. of the Farmers Elvtr. Co. is being remodeled and an additional leg and elevating equipment installed.

Bartlett, Ia.—We are building a new private farmers elvtr. for our own use. The capacity is 5,000 bus. of ear corn and 5,000 bus. of small grain or shelled corn. We are erecting an implement shed on each side of the elvtr.—C. & J. Pierce.

Malvern, Ia.—H. L. Aden, of Gresham, Neb., took possession July 1 of the elvtr. he recently acquired from Borin Bros. He has also taken over the scales and shipping facilities at Madden's Switch on the T. & N. at Clark's Switch on the H. & S. branch.

Sioux City, Ia.—Members of the Board of Trade with offices in the Davidson Bldg. have presented a request to the city council asking that the anti-smoke ordinance be enforced. It is necessary to keep windows of the grain men's offices closed in order to prevent entrance of dense, sooty clouds of smoke.

Lake Park, Ia.—We are building a new coal shed, 80x16 ft., with a cement floor and walk and are also building a feed and twine warehouse, 24x16 ft., with cement floor. We have installed a new scale, cemented in, and a Challenge Reversible Dump. The estimated cost of the improvements will exceed \$1,200.—A. J. Arends, Farmers Exchange.

Pringhar, Ia.—The Farmers Mutual Cooperative Co. has let contract for a 46,000-bu. modern iron clad elvtr. to the Younglove Construction Co. to be built on the site of the old house which will be razed. Equipment includes a 25-h.p. Fairbanks Oil Engine, large cleaner and a 2,250-bu. automatic scale. The structure will cost about \$10,000. Work will be started at once so that the elvtr. will be completed by Sept. 1.

Mount Ayr, Ia.—We have merged our interests here and at Redding with the Iowa-Missouri Grain Co., of Lamoni. The headquarters are to be at this city. The corporation will control elvtrs. at Davis City, Lamoni, Kellerton, Delphos, Redding, Tuskeego and this station in Iowa, and Grant City, Worth, Gentry, Andover and Bethany; Mo. Clarence Rauch, of Lamoni, will be general mgr., while S. McCullough will be mgr. at this station.—G. L. Hayes, E. E. Hayes & Sons.

Shannon City, Ia.—B. S. Petrie, who operates an elvtr. at Arispe, and myself, purchased the elvtr. of the Snyder Grain Co. here Sept. 1, 1913, which has since been known as the Shannon City Grain Co. Mr. Petrie managed the elvtr. at Arispe and I had charge here. We later included live stock buying along with the grain and coal business, but dissolved partnership Mar. 1, 1915, Mr. Petrie selling his interest in the business at this station to me.—F. E. Hoopes.

Leon, Ia.—The 16,000-bu. steel clad elvtr. of the Biddison Coal, Grain & Seed Co. is being rapidly completed. The main building is 24x29 ft. and 58 ft. above the 6 ft. concrete foundation. It is built of 2x6 in. planks laid flat so that the walls are 6 inches thick. Two warehouses, 18x36 ft. and 20x48 ft., are being erected adjacent. All of the machinery will be operated by individual motors. An automatic dump will be installed. Coal yards and storage bins will be operated in connection.

Colwell sta. (Charles City p. o.), Ia.—Work is well under way on the 20,000-bu. cribbed elvtr. for which the Colwell Grain Exchange recently let contract. It will be 24x25x35 ft. and will contain 9 bins. The dump will be 10x12 ft. and the cupola 10x12 ft. and 18 ft. above the plate. Equipment will include a Weller Manlift, gasoline engine with dump and outside tank, improved shafting and belts, a 1,250 Richardson Automatic Scale for weighing out and a 4-ton Fairbanks Frame Type-Registering Beam Wagon Scale. The dump will be fitted with steel dump fan scales. The Younglove Construction Co. has the contract for the house which is to be completed by Aug. 1.

Maxwell, Ia.—We have put in a new steel loading spout, Gerber Distributing Spout, a 10-h.p. Fairbanks-Morse Electric Motor and have built cement approaches. The house is up-to-date in every way.—C. B. Wells, agt. Neola Elvtr. Co.

KANSAS

Doniphan, Kan.—J. E. Clark has bot the elvtr. of C. P. Carrigan.

Seward, Kan.—The Larabee Mfg. Co. will install a Boss Car Loader.

Olney, Kan.—M. W. Peterson will install a Boss Air Blast Car Loader.

Arkansas City, Kan.—The New Era Mfg. Co. has built a new office.

Seguin, Kan.—We are building an elvtr. here.—W. J. R., Seguin Grain Co.

Green, Kan.—I am mgr. of the Co-operative Grain Ass'n.—C. C. Kilian.

Burden, Kan.—An elvtr. at this station was wrecked in a storm recently.

Cedar, Kan.—The Farmers Elvtr. Co. has bot the elvtr. of A. A. Bradley.

Lyons, Kan.—The Lyons Mfg. Co. has built additional steel storage tanks.

Wetmore, Kan.—M. W. Peterson will install a Boss Air Blast Car Loader.

Edmond, Kan.—The Baker-Crowell Grain Co. has closed its elvtr. for repairs.

Solomon, Kan.—The Farmers Elvtr. Co. has put a new oil engine in its elvtr.

Atchison, Kan.—James Clark will engage in the grain brokerage business.

Meade, Kan.—The Co-operative Elvtr. & Supply Co. is erecting a 16x28 ft. office.

Chetopa, Kan.—The Chetopa Grain Co. has installed a new Fairbanks-Morse Engine.

Long Island, Kan.—Emmet Bowers, of Hildreth, Neb., is now mgr. of an elvtr. here.

Elkhart, Kan.—W. O. Woods, of Liberal, is building an elvtr. here as well as at Hayne.

Atchison, Kan.—Concrete work on the Blair Elvtr. Co.'s new elvtr. was started July 14.

Ensign, Kan.—The Farmers Grain & Supply Co. has bot a Hall Signaling Distributor.

Dunlap, Kan.—The Farmers Union has bot the grain business of J. W. Parish & Son.—X.

Clyde, Kan.—William A. Hopper will equip his elvtr. with a Hall Signaling Distributor.

Bayard, Kan.—The Bayard Grain Co. will build an elvtr. this fall.—N. H. Noble, Bronson.

Ellsworth, Kan.—The Ellsworth Mill & Elvtr. Co. has taken Hector Longton into its office.

Atwood, Kan.—The Farmers Grain, L. S. & Supply Co. has its new elvtr. about completed.

Winfield, Kan.—The interior and exterior of the Alexander Mills have been painted white.

Parsons, Kan.—W. F. McAleer, prop. of the National Mills, is adding a brick annex to its elvtr.

Newman, Kan.—We have completed our 10,000-bu. elvtr. at this station.—Farmers Elvtr. Co., Perry.

Wichita, Kan.—The Hacker Grain Co. has been organized by W. T. Hacker, E. M. and Eunice Flickinger.

Ashland, Kan.—C. W. Carson & Sons have succeeded us in the grain business here.—Wallingford Bros.

Canton, Kan.—I. G. Wilson is mgr. of the recently completed elvtr. of the Farmers Grain & Supply Co.

Salina, Kan.—The capital stock of the Lee Warren Mfg. Co. has been increased from \$100,000 to \$200,000.

Haven, Kan.—The Haven Mill Co. has let contract for additional reinforced concrete grain storage tanks.

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Mullinville, Kan.—O. H. Olson is building a 12,000-bu. elvtr. on his farm.

Bushton, Kan.—The Bushton Grain & Supply Co. has put in a 20-h. p. Fairbanks-Morse Gas Engine.

Kirwin, Kan.—The Kirwan Elvtr. & Shipping Ass'n has been incorporated with a capital stock of \$15,000.

Medina sta. (Perry p. o.), Kan.—Our 8,000-bu. elvtr. at this station is completed.—Farmers Elvtr. Co., Perry.

Newkirk, Kan.—Mr. Thomas is operating an elvtr. equipped with machinery taken from the Newkirk Roller Mills.

Lyons, Kan.—The Central Kansas Mfg. Co. is installing new dust collectors and making other repairs in its elvtrs.

Ruleton, Kan.—The Farmers Equity Co. has bot the elvtr. of the Phillipsburg Mill & Elvtr. Co.—G. W. Brandt, Goodland.

Cairo, Kan.—The Farmers Equity Exchange has bot the elvtr. of E. B. Sitton and placed Bernard Megaffin as mgr.

Eldorado, Kan.—The C. A. Aikman Seed House has been expelled from membership in the Kansas Grain Dealers Ass'n.

Vliets, Kan.—I will assume the management of the Farmers Union Elvtr. Co. the first part of August.—H. B. Johnson.

Wichita, Kan.—S. H. Miller has been admitted to membership in the Board of Trade on transfer from H. W. Skinner.

Russell, Kan.—Charles E. Jackson is now general mgr. of the Russell Mfg. Co., succeeding H. E. Hanna, who died in April.

Sylvan Grove, Kan.—The Farmers Elvtr. Co. is installing a new elvtr. leg, a Hall Distributor and a manlift.—S. Frey, mgr.

Kinsley, Kan.—The Kinsley Mill Co. has prepared plans for the remodeling and enlarging of its plant into a 35,000-bu. elvtr.

Goodland, Kan.—The Farmers Equity Exchange bot 1 of my elvtrs. and I am overhauling the other house.—G. W. Brandt.

Marietta, Kan.—The new office of the Marietta Stock & Grain Co. has been completed and Elvtr. B has been covered with iron.—M.

Valley Falls, Kan.—H. V. Hinsen, of Kansas City, Mo., is now connected with the Ragan Grain Com'sn Co., having bot a half interest.

Oketo, Kan.—Work is progressing on the 15,000-bu. cribbed elvtr., covered with iron, which the Farmers Elvtr. Co. has under construction.—M.

Abbyville, Kan.—I am mgr. of the Abbyville Equity Exchange which recently took over the elvtr. of the Larabee Mfg. Co.—J. T. Whetstone.

Valeda, Kan.—The Rea-Patterson Mfg. Co., of Coffeyville, is building an elvtr. which will be rushed to completion to handle the new crop.

Topeka, Kan.—The Page Mfg. Co. will use crude oil in place of coal in its power plant. Thomas Page will spend a 6 weeks' vacation in Canada.

Wilson, Kan.—The Wilson Mill & Elvtr. Co. is erecting new cement grain tanks of 50,000 bus. capacity.—Ellsworth Mill & Elvtr. Co., Ellsworth.

Ellis, Kan.—The Wheatland Mill & Elvtr. Co. is erecting additional grain storage of 100,000 bus. capacity.—Ellsworth Mill & Elvtr. Co., Ellsworth.

Kingman, Kan.—The elvtr. which I am operating under lease has a capacity of 14,000 bus. and the warehouse of 6 cars.—H. F. Braly, Cleveland.

Salina, Kan.—The 225,000-bu. concrete fireproof addition for which the Shella-barger Mill & Elvtr. Co. recently let contract, is about completed.

Elliwood, Kan.—Harry Burkhardt, who has been with the Wolf Mfg. Co., operating an elvtr. here, has been promoted to the position of ass't mgr.

Kanapolis, Kan.—Aaron Kipp, of Ellsworth, will sell at public auction July 31 his elvtr., coal bins and warehouse, located on the Missouri Pacific right-of-way. Col. P. S. Harper will have charge of the sale.

Ludell, Kan.—The Ludell Equity Co-operative Exchange has been organized and has taken over the elvtr. of the Farmers Grain, L. S. & Supply Co.

Cummings, Kan.—H. J. Barber has bot the interest of L. L. Coryell in the elvtr. of Goode & Coryell. M. H. Goode will continue to operate the elvtr.

Liberal, Kan.—We are building a 25,000-bu. elvtr. and will soon be ready for business. We handle grain and broom corn.—J. P. Patten, mgr. J. P. Patten Co.

Russell, Kan.—Work is progressing on the elvtr. for which the Farmers Union Mercantile Co. recently let contract.—Ellsworth Mills & Elvtr. Co., Ellsworth.

Great Bend, Kan.—The Liberal Elvtr. Co., of Hutchinson, will open a branch office with E. R. Dunlap, formerly with the Rock Mill & Elvtr. Co., in charge.

McPherson, Kan.—I will take charge of the Lindsborg Mill & Elvtr. Co. after a rest of 4 years. I entered the grain business 30 years ago.—F. P. Hawthorne.

Chapman, Kan.—A. J. Poor, pres. of the A. J. Poor Grain Co., Kansas City, Mo., has bot the interest of Henry Knight, who was mgr. of the Poor & Knight Elvtr. Co. here.

Harper, Kan.—The elvtr. and other property of the defunct E. A. Wales Mfg. Co. was sold to J. C. Alvin, a real estate dealer who is reported to be representing a grain company in the purchase.

Sterling, Kan.—The International Mills & Elvtr. will install a conveyor from their recently completed 35,000-bu. storage tanks to the elvtr. The mgr., R. J. Fleming, has taken a trip to California.

Janssen, Kan.—I am mgr. of the elvtr. which the Farmers Union, of Ellsworth, recently took over from the Ellsworth Mill & Elvtr. Co. No improvements will be made until next year.—John Terry.

Beattie, Kan.—The construction of our elvtr. is proceeding as rapidly as the weather will allow and will be ready in time for the wheat crop.—J. C. Chase, sec'y Farmers Union Co-operative Ass'n.

Elyria, Kan.—The Farmers Elvtr. Ass'n is repairing its elvtr. D. C. Voth, formerly agt. of Colburn Bros., has succeeded L. E. Crabb, who recently resigned as mgr. H. H. Fleming is now agt. of Colburn Bros.—F. P. Hawthorne, McPherson.

Wellington, Kan.—The clutching of the hoist on which 2 employees working on the erection of the additional wheat storage for the Aetna Mill & Elvtr. Co. dropped 130 ft. and bounded back 30 ft. Neither of the men were badly injured.

Alma, Kan.—W. D. Patton, agt. of the Derby Grain Co., was run over by a velocipede recently. His clothing was torn to shreds, his head bruised and he lost considerable skin, but as no bones were broken he considers himself pretty lucky.

Liberal, Kan.—Work is progressing on the elvtr. now being built for C. M. Light. We will remodel our old elvtr. and will operate the 20,000-bu. elvtr. which we are erecting on the C. R. I. & P. Ry., under the same name.—Equity Exchange Ass'n.

Oketo, Kan.—The Oketo Mfg. Co. has been greatly delayed by high water in putting a new concrete pen stock under its mill. The Farmers Union is building a 15,000-bu. elvtr. which is expected to be finished by Aug. 15.—Oketo Mfg. & Elvtr. Co.

Saxman, Kan.—The elvtr. which E. S. Leonard recently bot from the Farmers Elvtr. Co. will be operated by the E. S. Leonard Grain Co. with W. T. Downs as grain buyer. Recent report stated that the house would continue to be operated by the Central Kansas Mfg. Co.

Bayard, Kan.—E. N. McCormack and W. I. Hammel of the Moran Grain Co., Moran, W. H. Noble, of the Noble Grain Co., Bronson and Floyd McCormack have formed a company to build a 5,000-bu. elvtr. Work will be started Aug. 1 so as to have the house finished to handle this year's crop. Floyd McCormack holds a half interest and the other members the other half.

Wichita, Kan.—A meeting of the creditors of the Wichita, Kan., branch of the Fort Worth Elvtr. Co. will be held July 20 in the Schweiter Bldg. for the purpose of declaring first dividend, considering reclamations, priorities, allowances and fees.—H. C. Sluss, referee in bankruptcy.

Farlington, Kan.—The Farlington Elvtr. Co. has been organized by J. W. Peterson of this place and A. L. Scott, pres. of the Pittsburg Elvtr. Co., of Pittsburg. Contract has been let for a 23,000-bu. elvtr. and warehouse to the White Star Co. and when completed will be managed by Mr. Peterson.

Norton, Kan.—We have purchased 2 Barnard & Leas Plansifters, 2 dust collectors, a middlings mill and several other minor improvements which will be installed in the plant recently purchased from the Farmers Mill & Elvtr. Co. We will probably install an 80-h. p. internal combustion engine. When completed Sept. 1, it will be operated as the Peerless Flour Mills Co.—Peerless Flour Mills Co., Canon City, Colo.

Topeka, Kan.—As section 11, chapter 229, makes all elevators within the state, regardless of capacity or location, public elevators, it will be necessary for elvtr. operators to either procure a license from the chief grain inspector to transact business as a public warehouseman and file with the Sec'y of State, a bond to the state of Kansas for the benefit of all persons interested or file bonds under chapter 374.—E. J. Smiley, Sec'y K. G. D. A.

Topeka, Kan.—The grain shippers of the territory tributary to Kansas City do not seem to be favoring all receivers with enough business to satisfy them, so one firm is running the following advertisement in a number of Kansas weeklies: "Farmers who wish to obtain the full market price for their wheat by marketing it themselves as they do their livestock, will do well to write Hodgson-Davis Grain Co., Kansas City, Mo., for any information they may desire."

Enterprise, Kan.—C. B. Hoffman, a prominent miller of the Southwest for many years, died July 17 from acute indigestion at the age of 62. He is survived by his father, who established the Hoffman Mills, three sons, E. V. Hoffman, general mgr. of the Bulte Mills of the Kansas City Flour Mills Co., Kansas City, Mo., R. W. Hoffman, general mgr. of the Hoffman Mills of this city, and Thad L. Hoffman, mgr. of the wheat dept. of the Kansas Flour Mills Co. at Wichita, besides his widow and daughter.

WARNING.—D. F. Purdue continues to swindle grain dealers who would like to have the Grain Dealers Journal well enough to pay cash to a stranger. The latest sufferer at his hands reports him to be about 5 ft. 9 inches in height, dark hair, dark eyes, dark beard but smooth shaven, about 35 years of age, weight about 150 lbs., wore dark gray suit and light blue summer hat. We will pay \$25.00 for assistance which results in the capture and conviction of this impostor. He has never been in the employ of the Grain Dealers Journal and has no authority to collect any money for the Grain Dealers Journal.

Kansas City, Kan.—The Kansas City Board of Trade will maintain a sampling dept. and weight dept. Shippers having elvtrs. located on the Missouri Pacific, Grand Island, and Burlington Railways have their grain inspected upon its arrival in Kansas City by the Missouri inspection department as the terminals of these lines are located in Missouri. Should the contents of these cars be unloaded on the Missouri side, there will be one inspection charge amounting to 65c, and a weighing fee of \$1, or a total of \$1.65 per car. But should the contents of the car be sold to be unloaded on the Kansas side, it would again be inspected and another charge of 65c be made, making a total of \$2.30 per car. The grain dealer has not asked for this state service, but it must be maintained to keep up a lot of politicians.—E. J. Smiley, Sec'y K. G. D. A.

Copeland, Kan.—Equipment for the 15,000-bu. iron clad elvtr. under construction for the Hugoton Elvtr. & Warehouse Co., includes a Fairbanks-Morse Engine and Wagon Scale and a Richardson Automatic Scale.

Morganville, Kan.—Hodgson-Davis Grain Co., Kansas City, Mo., in writing a local dealer under date of July 16, said: "We are soliciting shipments of grain direct from the farmer and will be glad to do some business with you. If you should consign us your wheat, we assure you it will be given the same careful attention, and we will work just as hard on it as we would for any grain dealer in the state. This, we think, is the best way to get the most money out of your wheat, and if you ship one year with another, you will find that the market will go up while your wheat is in transit just as often as it goes down, and you will just about save your local dealer's profit by shipping your own wheat."

The following individuals and firms have been admitted to membership in the Kansas Grain Dealers Ass'n since April: Farmers Grain, Stock & Mercantile Co.; Halstead; J. E. Clark, Doniphon; Amos Richardson, Shady Bend; Turon Mill & El. Co.; Hutchinson; S. P. Clark, Ogden; Wm. Dalton & Sons, St. George; Frank Geoffroy and Abilene Flour Mills Co.; Abilene; Smith Elvtr. Co.; Wichita; Collingwood & Krehbiel, Pretty Prairie; W. D. Womer, Phillipsburg; Beall Gr. Co., Wichita; A. W. Armstrong, Glade; B. C. Ragan, Valley Falls; Cain Milling Co., Atchison; Far. Ele. & Merc. Co., Acres; Barrett & Walker, Lillis; G. W. Roller, Delia; Far. Gr. & Merc. Co., Waldron; C. M. Light Gr. Co., Liberal; F. M. Darby, Basehor; Plush & Russell, Meade; W. W. Young, Everest; C. F. Klammer, Detroit; Wamego Seed & Grain Co.; Wamego; Geo. T. Fielding & Sons, Manhattan; P. A. Johnson, Coldwater; Cretcher Gr. Co., Scott City; C. E. Voisinet, Phillipsburg; J. M. Decker, Concordia; J. B. McClure Grain Co. and Morton Grain Co.; Hutchinson; M. J. Steiner, Price; H. Thomas, Osborne, Kan., and P. S. Heacock & Son, Falls City, Neb.—E. J. Smiley, sec'y K. G. D. A.

HUTCHINSON LETTER.

The Hugoton Elvtr. & Warehouse Co. is making alterations in its office.

The 150,000-bu. annex to the elvtr. of the Wm. Kelly Mfg. Co. has been completed and the machinery will be installed at once.

H. M. Talcott, sec'y of the Board of Trade and mgr. of the branch office of Goffe & Carkener, was bereaved recently by the death of his mother.

The Larabee Flour Mills Co. has completed its new 550,000-bu. concrete elvtr. which is an addition to its 150,000-bu. plant. The company's office is being enlarged and improved.

John Hayes Grain Co., of Winfield, has opened an office in the Rorabaugh-Wiley Bldg. with John Hayes in charge. Membership in the Board of Trade has been purchased. Alva Harris will remain as mgr. at Winfield.

KENTUCKY

Paris, Ky.—E. F. Spears & Sons will give all white employees 20% of the profits of the firm, effective July 1.

McQuady, Ky.—The McQuady Grain Warehouse Co. incorporated; capital stock, \$1,500; incorporators, J. F. Knue, James M. and Robert E. Kennedy.

Louisville, Ky.—G. A. Breaux, 2nd vice-pres. of the Ballard & Ballard Co., has just recovered from injury received when he stepped on a rusty nail.

Lexington, Ky.—A. Hess Drier has been installed in the plant of the Lexington Flour Mill Co. to take care of the tough wheat coming from the new harvest.

New Haven, Ky.—Arthur Cummins, of Coon Hollow, bot the elvtr. and mill of the New Haven Mill Co. at public auction. William Dawson, pres. and general mgr., was obliged to retire on account of illness.

LOUISIANA

New Orleans, La.—The C. B. Fox Co. will be incorporated Aug. 1 to succeed C. B. Fox.

New Orleans, La.—Fred A. Heywood, mgr. of the Norris Grain Co.'s branch office, has applied for membership in the Board of Trade.

MARYLAND

Baltimore, Md.—Walter Trappe, formerly ass't mgr. for the Norris Grain Co. of Chicago, Ill., will hereafter look after the company's shipments at this city. Newport News, Va., and Philadelphia, Pa.

Baltimore, Md.—Work is progressing rapidly on the concrete elvtr. of the Western Maryland Ry. Co. at Port Covington, being built by James Stewart & Co., who have the contract. The cost of the structure is estimated at \$550,000.

MICHIGAN

Lambs, Mich.—The court has been asked to appoint a receiver for the Farmers Elvtr. Co.

Allegan, Mich.—Ernest F. Sherman, prop. of a grain elvtr. here, died July 6, aged 57 years.

Jonesville, Mich.—The Jonesville Mfg. Co. has been incorporated with a capital stock of \$60,000.

Caro, Mich.—The Farmers Co-operative Elvtr. Co. will sell its old bean cleaner and install a modern one.

Port Huron, Mich.—The McMorran Mfg. Co., which operates an elvtr. here, has decreased its capital stock from \$100,000 to \$12,000.

Greenleaf sta. (Cass City p. o.), Mich.—The Cass City Grain Co. will install a Hall Signaling Distributor in its elvtr. now under construction.

Richmond, Mich.—J. A. Heath, sec'y and mgr. of the defunct Richmond Elvtr. Co., who is suffering from cancer, has had his right leg amputated.

Grand Rapids, Mich.—Chatterton & Sons have bot the bean elvtr. of the Loveland & Hinian Co., which has moved its office to the Ass'n of Commerce Bldg.

Pinckney, Mich.—I purchased the flouring mills of Hoyt Bros. and expect to do a milling business but will not ship grain. There is no elvtr. in connection.—C. M. Hudson.

Jasper, Mich.—The Jasper Grain Co. reorganized and took over the business of Coy Bros., who have stock in the company, and will continue the business as heretofore.

Snover, Mich.—Frank McGunnegal, of Marlette, purchased the elvtr. of the Snover Grain Co. July 1. He will organize a stock company to operate the elvtr. under the old name.

Shelby, Mich.—F. E. Lewellyn has purchased the Armour plant at Big Rapids and will use it as a central warehouse and distributing bean house, purchasing all bean crops in this vicinity.

Saginaw, Mich.—We did not purchase the business of the Henry W. Carr Co. but did buy some machinery from it as that company has discontinued its local farm machinery trade.—Walcott Grain Co.

Lake Odessa, Mich.—Farmers Grain & Produce Co. incorporated; capital stock, \$15,000; incorporators, Ivan Grimwood, pres.; Wm. Sweitzer, sec'y, and others. The company will operate an elvtr. and conduct a produce business.

Port Huron, Mich.—We are located on the P. M. and G. T. and on the river front, giving us lake shipping facilities. We have the old steamboat warehouse and dock property on the St. Clair River and contemplate installing a bean picking plant, for handling beans in a wholesale way, from the country trade. We will have a picking capacity for at least 1 car-load of hand-picked beans a day, also will deal in a wholesale way in grain, flour, feed and masons' supplies.—A. L. Chamberlain, treas.-mgr. Producers Elvtr. Co.

Jackson, Mich.—The Michigan Hay & Grain Ass'n will hold its annual meeting Aug. 5 at the Otsego Hotel.

Richmond, Mich.—Creditors representing about \$65,000 worth of debts of the defunct Richmond Elvtr. Co. decided at a recent meeting to organize a new company to take over the assets of the old organization and continue the business.

Climax, Mich.—Our elvtr. burned to the ground July 4 from an unknown cause. The coal sheds and corn crib, which were adjacent, were saved. It was discovered first in the cupola. The loss is about \$8,500, partly covered by insurance. It is our intention to rebuild at once.—M. Griffith & Son.

Jackson, Mich.—The principal speakers on the program for the annual meeting of the Michigan Hay & Grain Ass'n to be held here Aug. 5, are E. C. Nettles, of the Postum Cereal Co.; Chas. Quinn, sec'y Grain Dealers National Ass'n; W. A. Cutler, retiring pres. National Hay Ass'n; and H. G. Morgan, Pittsburgh. The speaker at the banquet is U. S. Senator Chas. E. Townsend. Warden Simpson, of the Michigan State Prison, has invited the members to visit the prison between 11 and 12 o'clock. The business session starts at 1:30 and it is proposed to make it as short and to the point as possible. The entertainment committee will have in mind showing the members the city of Jackson in Jackson-made automobiles.—J. C. Graham, sec'y.

MINNESOTA

Truman, Minn.—The Farmers Elvtr. Co. will build a lumber shed.

Bronson, Minn.—Niels K. Johnson is now agt. of the Northland Elvtr. Co.

Janesville, Minn.—An addition is being constructed to the farmers Elvtr. Co.

Easton, Minn.—An automatic scale will be installed by the Farmers Elvtr. Co.

Fairmont, Minn.—L. Frase has resigned as vice-pres. of the Ripe Grain & Mfg. Co.

Gilfillan sta. (Morgan p. o.), Minn.—The elvtr. of C. O. Gilfillan is being remodeled.

New Ulm, Minn.—The Eagle Roller Mills Co. has placed a chemical laboratory in its plant.

Appleton, Minn.—Fire damaged the elvtr. of the Farmers Co-operative Elvtr. Co. recently.

Palmer sta. (Waseca p. o.), Minn.—The farmers have organized a company to build an elvtr.

Barnesville, Minn.—A. A. Haagenson has been retained as mgr. of the Farmers Elvtr. Co.

Fergus Falls, Minn.—The Fergus Flour Mills Co., operating an elvtr. here, is overhauling its plant.

Duluth, Minn.—The stork left a son at the home of G. H. Spencer, of the Consolidated Elvtr. Co.

Nicollet, Minn.—J. B. Summers has been retained as mgr. of the Farmers Elvtr. Co. for the coming year.

Watonna, Minn.—The L. G. Campbell Mfg. Co., operating an elvtr. here, have leased a mill at Austin.

Truman, Minn.—The Hubbard & Palmer Co. is overhauling its elvtr.—William Graplar, agt. C. S. Christensen Co.

Bertha, Minn.—The Bottemiller Co. is tearing down its old elvtr. and will replace it with an up-to-date structure.

Springfield, Minn.—Chas. Davin has bot the elvtr. of Anderson Bros. and is doing business, assisted by Louis Veigel.

Montevideo, Minn.—John Starbeck has resigned as mgr. of the Montevideo A. S. & E. Co-operative Elvtr. & Trading Co.

Glenville, Minn.—E. P. Howe will be retained as agt. of the Speltz Grain & Coal Co., which recently took over an elvtr. here.

Good Thunder, Minn.—I have resigned as mgr. of the Farmers Co-operative Exchange Co. and am now at Eyota.—H. H. Thiede.

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Freeport, Minn.—A. J. Pohlman is no longer in the grain business. He sold out and is now on a farm at Albany.—E. L. N.

Ostrander, Minn.—The Farmers Co-operative Elvtr. & Mercantile Co. has closed its elvtr. until the new crop is ready for market.

Marshall, Minn.—The Marshall Mfg. Co. will raise its 35 ft. wheat storage tanks to 75 ft. in height. Contract for the work has been let.

Ceylon, Minn.—The Rippe Grain & Mfg. Co. has sold its elvtr. at this station to an Iowa company, which will take possession July 15.

Doran, Minn.—J. J. Brady has resigned as mgr. of the Farmers Elvtr. Co. and has purchased the elvtr. of the St. Anthony & Dakota Elvtr. Co.

Ogema, Minn.—The Atlantic Elvtr. Co. has put a new roof on its flour and coal shed and made some minor improvements. C. E. Nelson, agt.

Minnesota Lake, Minn.—The steel clad 20,000-bu. elvtr. for which the Farmers Elvtr. Co. recently let contract, will be finished by Aug. 15.

Minneota, Minn.—C. P. Christensen will remain as agt. of the elvtr. of the Atlas Elvtr. Co. which was formerly operated as C. W. Van Dusen & Co.

Lake City, Minn.—We are planning to erect coal sheds and handle coal. No other improvements will be made.—E. W. Fick, agt. Milwaukee Elvtr. Co.

Sanborn, Minn.—George Duley has been retained as agt. of the elvtr. of the Atlas Elvtr. Co., which was formerly operated as G. W. Van Dusen & Co.

Red Lake Falls, Minn.—The Terrebonne Mfg. Co. has received bids for a frame elvtr. and mill, the material to be furnished by the milling company.

Eyota, Minn.—I will engage in the grain business on my own account.—H. H. Thiede, formerly mgr. Farmers Co-operative Exchange Co., Good Thunder.

Hallowell, Minn.—The St. Anthony & Dakota Elvtr. Co. is putting a concrete foundation under the north wing of the elvtr. and is making other repairs.

Faribault, Minn.—Albert Berklin, of Wa-seca, who has been head of extensive elvtr. interests, has succeeded the late W. W. Allen as mgr. of the Sheffield-King Mfg. Co.

Lewisville, Minn.—The recently organized Farmers Elvtr. Co. incorporated; capital stock, \$10,000; incorporators, E. H. Geistfeld, A. J. Luther and others. The company has bot an elvtr.

Thief River Falls, Minn.—The Hanson & Barzen Mfg. Co., operating elvtrs. here, sustained a loss of approximately \$3,000 when the millrace and flumeway were swept out by the river recently.

Winsted, Minn.—Our new elvtr. will be a 15,000-bu. iron clad house with feed shed and will be completed by July 19. We are building on the Electric Short Line R. R.—J. W. Thomas, Farmers Elvtr. Co.

St. Paul, Minn.—Clarence C. Gray will build an elvtr. and feed mill at a cost of \$20,000, on the site of the one destroyed by fire some time ago. Work will commence Aug. 1 and the plant will be completed about Dec. 1.

Albert Lea, Minn.—We are operating the elvtrs. at Bricelyn, Walters, Ellendale, Clarks Grove and Glenville, which we took over July 2 from the Western Elvtr. Co. of Winona, from this office.—A. Speltz, Speltz Grain & Coal Co.

Walters, Minn.—I will remain as agt. of the Speltz Grain & Coal Co., of Albert Lea, which recently took over this elvtr. from the Western Elvtr. Co. Improvements will be made so as to handle the grain more rapidly.—R. F. Lutke.

Westport, Minn.—The Monarch Elvtr. Co. is doing some repairing and making some improvements in its elvtr. I am doing the work. J. Borgerding & Co. have cleaned their elvtr. and will make some improvements and repairs in the near future.—O. E. Krueger, agt. Monarch Elvtr. Co.

MINNEAPOLIS LETTER.

Ted Welch, of E. L. Welch & Co., has been blessed with twins.

The Sheffield Elvtr. Co. is building concrete tanks with a capacity of 250,000 bus. as an addition to Elvtr. "K." This will make the total capacity 1,000,000 bus.

A. F. Evenson, of St. Peter, has been re-appointed to serve on the board of grain appeals at this city and Hans P. Bjorge has been re-appointed to serve at Duluth. The salary is \$2,800.

Work is progressing on the 80,000-bu. reinforced concrete grain storage for which the Atkinson Mfg. Co. let contract in June. The main building will be 40x90 ft. and will be operated by electricity. It will probably be under roof by September.

A. G. Moritz resigned July 1 as mgr. of the Atlas Elvtr. Co. after serving in that capacity for 10 years. L. D. Godfrey, mgr. of G. W. Van Dusen & Co., has succeeded him, with J. A. Reed as his ass't. C. B. Rogers is now mgr. of G. W. Van Dusen & Co.

The ruling of the lower court that the Chamber of Commerce has authority to provide by rule or by-law that member shall have a lien upon the membership of another for an indebtedness entered into by virtue of such membership has been upheld by the supreme court.

A meeting of the creditors of the P. B. Mann-Anchor Co. will be held July 21 in the Federal Bldg. to examine officers of the bankrupt and other witnesses, to declare a dividend of at least 10% and for other and general matters of administration.—Alex McCune, referee in bankruptcy.

The following memberships in the Chamber of Commerce have been posted for transfers: From James S. Bell to James F. Bell, M. F. Scroggins to Peter H. Merritt and from D. N. Winton to Louis Hanson. The following have been admitted on transfer: From R. L. McNaughton to A. W. Durrin, W. C. Poehler to M. E. Scroggin, B. L. Simmons to Walter Stanger, W. L. Beaton to Oscar F. Clayton and from H. C. Harding to George F. Orde. Memberships are quoted at \$3,600.

MISSOURI

New Hampton, Mo.—W. J. Ebersole has his new elvtr. almost completed.

Asbury, Mo.—I have sold my interest in the Asbury Elvtr. Co.—Charles Kerr.

Poplar Bluff, Mo.—The Butler County Mfg. Co. has bot a Hall Signaling Distributor.

Liberty, Mo.—The O. H. Corbin Mfg. Co. is erecting a new office for its elvtr. and mill.

Reeds, Mo.—Work on the new 10,000-bu. elvtr. of the Farmers Elvtr. Co. is almost completed.

St. Joseph, Mo.—John O. Winn, chief grain inspector, has returned from a trip to the coast.

Joplin, Mo.—Grain dealers from Kansas, Oklahoma and this state held a joint meeting here July 10.

Parkville, Mo.—The Parkville Mfg. Co. is building an up-to-date brick office for its elvtr. and mill.

Milo, Mo.—Moss, Ewing & McKay Co. are planning the erection of a 94x18 ft. elvtr. and warehouse combined.

Monett, Mo.—The Patterson Mfg. Co., operating an elvtr. here, has filed a voluntary petition in bankruptcy.

St. Joseph, Mo.—Isaac Motter is now representative for the Marshall Hall-Waggoner Grain Co. at this city.

Knobnoster, Mo.—The Aeme Mfg. Co. has completed its 52,000-bu. concrete addition for which it recently let contract.

Eolia, Mo.—D. B. Bibb, sec'y of the Eolia Elvtr. Co. has purchased the elvtr. and placed Walter Jenson in charge.

St. Joseph, Mo.—Geo. E. Newman is mgr. of the branch office recently opened in the Corby-Forsee Bldg. by Rosenbaum Bros., of Chicago, Ill.

St. Joseph, Mo.—The Neola Elvtr. Co., of Chicago, Ill., will establish a private wire office Aug. 1 for the purchase of grain for Galveston, Tex., and Chicago, Ill.

Greenfield, Mo.—The Morrison Grain Co., of Kansas City, has bot the elvtr. of H. H. Steele & Co., and is installing new wagon scales. F. J. McMillen has been hired as agt.

Malden, Mo.—We opened up the grain business here in January which was a dead issue at that time. The Southeast Missouri Grain Co. opened an office and is handling a little grain.—Matthews & Stubblefield.

KANSAS CITY LETTER.

The Simonds-Shields Grain Co. has increased its capital stock from \$100,000 to \$250,000.

Hartford Preston Grider, formerly in the grain business in this city, died July 9, aged 56 years.

A new boiler has been installed in the power plant of the Kelley Mfg. Co. which operates a 400,000-bu. elvtr. here.

A. S. McVey, formerly in the Kansas Flour Mills Co.'s office at Anthony, Kan., has been promoted to the company's office in this city.

The Whitmore-Cockle Grain Co. has been dissolved and Tracy Cockle, mgr., will now be associated with the Aylsworth-Neal-Tomlin Grain Co.

Building permits have just been issued for the 250,000 bu. elvtr. of the C. & A. Elvtr. Co. and for the 750,000-bu. elvtr. of the K. C. S. Ry. Co. altho the construction commenced some time ago.

We will move our offices from the Board of Trade Bldg. to the new annex, the Glover Bldg. Our business is increasing and we will have more space in our new quarters.—W. J. Mensendieck, Mensendieck Grain Co.

J. L. Walker, formerly mgr. of the Universal Mill Co. at Clafin, Kan., H. J. Callen and Leonard Ayres, who has been on the road for us for a number of years, complete our road force.—E. E. Roahen, E. E. Roahen Grain Co.

ST. LOUIS LETTER.

James B. Little, who recently engaged in the grain and flour business on his own account, in the Pierce Bldg., died of apoplexy July 9 at Franklin, Tenn.

H. C. Coleman, formerly connected with the grain trade, has again engaged in the grain business under the name of H. C. Coleman Com'sn Co. with offices in the Merchants Exchange Bldg.

The Langenberg Bros. Grain Co. has been incorporated with a capital stock of \$325,000 by H. F., C. H., H. H. and F. W. Langenberg, Dan S. Mullally and C. M. Brouter. The company will succeed Langenberg Bros. & Co. and will do a general grain and hay com'sn business. Henry F. Langenberg is pres., Carl H. and H. H. vice-presidents, and Frederick W., sec'y-treas.

The amendment to rule 8, placing upon the buyer of track grain, feed or seeds, the responsibility for switching or delivery to industries, team tracks or connecting lines, and requires that ordering instructions for such switching be given on the day of purchase, and that the seller shall order the billing on or before the next succeeding business day, was voted upon by the members of the Merchants Exchange and carried by a large majority.

St. Louis, Mo.—The following have been admitted to membership in the Merchants Exchange: A. J. Schulte, Langenberg Bros. Grain Co.; C. J. Phillips, Chas. A. Winter, Goffe & Carkener; R. F. Imbs, Imbs Mfg. Co., Belleville, Ill.; Bernard Schloemer, C. Helke Hay & Grain Co., and B. F. Schwartz, Keusch & Schwartz. The following memberships have been transferred: E. Hodgkins, A. de Figueiredo, S. G. Kennedy, M. A. Bright, Fred Skranka, A. Beckmann, G. P. Doan, Jr., and P. H. Litchfield.

MONTANA

Dixon, Mont.—I am erecting an elvtr. at this point.—T. B. Chapman.

Gilford, Mont.—The International Elvtr. Co. has opened up for business again.

Belt, Mont.—The Farmers Elvtr. Co. has been incorporated with a capital stock of \$10,000.

Three Forks, Mont.—The Farmers Co-operative Co. is planning to buy or build an elvtr.

Cascade, Mont.—The Cascade Society of Equity has let contract for an elvtr. to cost \$5,700.

Mondak, Mont.—R. H. Graham has not used his elvtr. for 2 years.—H. L. Rounce, A. P. Rounce & Sons.

Brider, Mont.—I expect to have my 25,000-bu. elvtr. which I am building on the Nor. Pac., completed by Sept. 1.—G. H. Shoutz, Parkers Prairie, Minn.

Bainville, Mont.—The Williston Mfg. Co., of Williston, N. D., is building a 600-bbl. mill to be completed by Sept. 1.—H. J. Button, mgr. Farmers Elvtr. Co.

Malta, Mont.—The Imperial Elvtr. Co. has opened up for business with S. H. Winkenweder as agt.—E. E. Reiner, agt. St. Anthony & Dakota Elvtr. Co.

Raymond, Mont.—We have completed a flour and feed warehouse as an addition to our elvtr. and will handle flour and feed in connection with our grain business.—Raymond Grain Co.

Antelope, Mont.—The Farmers Grain & Shipping Co. has bot the elvtr. of the Imperial Elvtr. Co. and has leased and is operating the elvtr. of the Winter-Truesdell-Ames Co.—R. R. Ueland, mgr.

Menard, Mont.—We have decided not to build any elvtrs. this year. This is a good location for one as there are none here now and about 100,000 bus. of grain are loaded on track yearly.—Menard Mercantile Co.

Roundup, Mont.—T. W. Crandell, of Minneapolis, Minn., has purchased the 25,000-bu. elvtr. which the A. P. Ladd Elvtr. Co. has just finished building. The consideration was \$6,000 and a mgr. will take charge at once.

Cartersville, Mont.—We are wrecking our elvtr. at this station as not much grain is offered. The house will probably be rebuilt at Elgin, N. D., for the benefit of one of our clients, who wishes to engage in business here.—O. T. Newhouse, sec'y Benson-Newhouse-Stabeck Co., Minneapolis, Minn.

Roberts, Mont.—The Occident Elvtr. Co., of Minneapolis, Minn., has let contract for a 40,000-bu. elvtr. to the Hickok Construction Co. Work has been started on the house which will be 30x35 ft. with 60 ft. cribbing—and will be completed to handle this year's crop. A warehouse will be erected in addition.

Three Forks, Mont.—We expect to build a 40,000-bu. elvtr., 200-hbl. mill and an alfalfa meal plant with a capacity of from 25 to 50 tons on a site between the C. M. & St. P. R. R. and the Northern Pac. so that we will have shipping facilities over both roads. Equipment has been decided upon and will be purchased in the near future.—L. S. Greenwood, Greenwood Mfg. Co., Parkston, S. D.

NEBRASKA

Glenville, Neb.—The Platte Grain Co. is repairing its elvtr.

Maywood, Neb.—W. A. Chamberlain is rebuilding his elvtr.

Filley, Neb.—The Farmers Elvtr. Co. has closed its elvtr. for repairs.

Cozad, Neb.—A. J. White has resigned as mgr. of the Farmers Elvtr. Co.

Buda, Neb.—The Farmers Elvtr. Co. now owns and controls the Gould Elvtr.

Overton, Neb.—John Schleef is now agt. of the Trans-Mississippi Grain Co.

Franklin, Neb.—J. G. Hawkins has bot the elvtr. of the Farmers Elvtr. Co.

Martland, Neb.—The elvtr. of the Nye Schneider Fowler Co. is being repaired.

Cambridge, Neb.—The Cambridge Mfg. Co. will install a 60-h. p. motor in its plant.

Virginia, Neb.—The Wright-Leet Grain Co. has installed an automatic scale in its elvtr.

Red Cloud, Neb.—The Amboy Mfg. & Elvtr. Co. is installing new machinery in its plant.

Dwight, Neb.—A. J. Bratovsky, of Brainard, is now agt. of the Nye Schneider Fowler Co.

Eiba, Neb.—Martin Leth has been elected mgr. of the Farmers Elvtr. Co. for the coming year.

Howells, Neb.—The Farmers Elvtr. & Lumber Co. has been organized and officers chosen.

Milldale, Neb.—The Milldale Improvement Co. has let contract for a 10,000-bu. studded elvtr.

Mead, Neb.—The Farmers Union has just completed a 200-ton coal bin.—Eland C. Johnson, mgr.

Ord, Neb.—The Farmers Elvtr. Co. is building an elvtr. here and at Elyria.—Frank Kucna.

Oconto, Neb.—The Trans-Miss. Grain Co. will reopen its elvtr. which has been closed for the past year.

Germantown, Neb.—Harry Westerhof is pres. and Otto Kilzer sec'y of our ass'n.—Farmers Grain Co.

Pleasanton, Neb.—The Farmers Elvtr. Co. has bot the Gitchrist Yards and appointed Dell Phillips as mgr.

Belgrade, Neb.—The Farmers Grain & L. S. Ass'n will equip its elvtr. with a Hall Signaling Distributor.

Orleans, Neb.—The Orleans Mfg. & Elvtr. Co. will not rebuild its dam which was washed out last year.

Curtis, Neb.—The Farmers Elvtr. Co. has succeeded the Curtis Grain & L. S. Co., H. E. Langevin, mgr.

Fairbury, Neb.—The Fairbury Mill & Elvtr. Co. has closed its plant until the new wheat begins to move.

Wauneta, Neb.—Clarence Walker and wife will manage the recently acquired elvtr. of the Farmers Equity Union.

Enders, Neb.—F. C. Krotter will build a cribbed elvtr. equipped with an automatic scale and every convenience.

Newman Grove, Neb.—The Newman Grove Mfg. Co. is converting an old building into an office for its plant.

Bushnell, Neb.—I am no longer interested in the grain business.—T. H. Adamson, formerly mgr. Bushnell Grain Co.

Plattsmouth, Neb.—The Farmers Union has not incorporated and will not build an elvtr. from what I can learn.—X.

Springfield, Neb.—William Mueller & Son, of Union, have bot the elvtr. from Dan Bourke and will take possession Aug. 1.

Eldorado, Neb.—The Farmers Co-operative Co. has painted and repaired its elvtr. and built a new office.—Theo. Holzopple, mgr.

Finchville, Neb.—The 8,000-bu. studded elvtr. for which the Finchville Elvtr. Co. recently let contract, will be completed soon.

Mead, Neb.—Farmers Co-operative Co. incorporated; capital stock, \$25,000; incorporators, J. Eyer, O. L. Tegelberg and others.

Potter, Neb.—Work is now under way on the 20,000-bu. cribbed elvtr. for which the Farmers Grain & Mfg. Co. recently let contract.

Duncan, Neb.—The recently organized Farmers Elvtr. Co. is negotiating for the purchase of the elvtr. of the T. B. Hord Grain Co.

Hildreth, Neb.—A. A. and H. J. Johnson comprise the Johnson Grain Co. which took over the elvtr. of Wm. Rundberg.—Oscar Florell, mgr.

Angus, Neb.—Mr. Borin, who disposed of his elvtr. at Malvern, Ia., recently, will continue in the grain business here.

Oconee, Neb.—The T. B. Hord Grain Co. has bot the elvtr. of the Omaha Elvtr. Co. and will not rebuild its house which burned some time ago.

Norman, Neb.—The Hynes Elvtr. Co. has installed a Richardson Automatic Scale in its elvtr. I have succeeded Pear Stark as agt.—G. B. Granger.

Beaver City, Neb.—The Farmers Elvtr. Co. is in the hands of a receiver and the elvtr. will be sold to pay \$2,700 indebtedness.—S. J. Franklin.

Bruning, Neb.—The Bruning Mill & Elvtr. Co. has installed a 50-h. p. oil engine and is making other improvements in its plant which will be completed by Aug. 1.

Norman, Neb.—We have overhauled our elvtr., making needed repairs preparatory to handling the large wheat crop.—A. T. Curtis, mgr. Farmers Business Ass'n.

Cook, Neb.—The Cook Lumber & Grain Co., incorporated in June with a capital stock of \$30,000, will not build an elvtr. this year. I am pres. and mgr.—J. A. Schoenthal.

Carroll, Neb.—The Farmers Union Co-operative Ass'n has purchased the elvtr. formerly operated by the P. B. Mann-Anchor Co. Homer Fitzsimmons is mgr. temporarily.

Carleton, Neb.—One of the workmen installing the new scales in the elvtr. of the Farmers Elvtr. Co. was slightly injured when the platform on which he was standing gave way.

Richland, Neb.—There is some talk of the Farmers Union starting to buy grain here but we know nothing about it planning to build an elvtr.—J. O. Garner, agt. T. B. Hord Grain Co.

Culbertson, Neb.—The Farmers Equity Union has bot the elvtr. of W. H. Ferguson, which has been operated under lease by the Shannon Grain Co., for \$3,000. Clint J. Sidell is mgr.

Gothenburg, Neb.—E. G. West is repairing the roof of his elvtr. which was damaged by a recent storm. The Platte Valley Mfg. Co. is covering its elvtr. and mill with a galvanized steel roof.

Craig, Neb.—The Holmquist Grain & Lumber Co. is building a new 40,000-bu. cribbed elvtr. with an 18 ft. cupola. It will have 11 bins, all hopper bottomed, except the large oats bin.—Fred E. Ericson, agt.

Shelby, Neb.—Charles Bill has succeeded Albert Dunning, who has resigned as mgr. of the Shelby Grain Co. The Farmers Business Ass'n has increased its capital stock to \$10,000 and has purchased a 10-h.p. electric motor.

Waverly, Neb.—Claiming misrepresentation in the trading of an elvtr. here for Lincoln property, George A. McCandless filed a suit in district court at Lincoln for \$5,000 against J. O. Greusel, Richard J. Miller and Joseph Vance Miller. The plaintiff says that J. O. Greusel and Richard J. Miller are engaged in the real estate business and Joseph Vance Miller is employed by them as a stenographer. McCandless alleges that the two real estate agents told him that a man named Miller who was wealthy and owned a string of elvtrs. wanted the elvtr. of plaintiff and would be willing to trade property he owned in Lincoln valued at least \$12,000 on which there was a mortgage of \$3,000. He further alleges that he was informed that this \$3,000 mortgage would be paid off and the title to the property would be clear. He avers that with such representations and promises he traded his elvtr. worth \$5,000 to the "Miller," first name unknown, but whom he supposed was Ed. S. Miller, a well known grain operator. The plaintiff insists that he learned that instead of the purchaser being Ed. S. Miller the man was Joseph Vance Miller. McCandless says that after he had traded his elvtr. for the Lincoln property he learned that it was not worth more than the face of the mortgage. He declares that the elvtr. has since become the property of Ed. S. Miller.

The GRAIN DEALERS JOURNAL.

Moorefield, Neb.—The Van Wickle Grain Co. is having a new boot and new legs installed and other improvements made. The Shannon Grain Co. has opened its elvtr. this month. The agt., James Pearson, was elected Lieutenant Governor last fall, and when he went to Lincoln to take charge the elvtr. was closed.—E. I. N.

Union, Neb.—I am now with the Farmers Co-operative Incorporated Elvtr. Co. which has been incorporated with a capital stock of \$10,000. Grain, coal, lumber, machinery, etc., will be handled in connection with the recently acquired elvtr. I was with the Morten Grain Co. at Murray for 15 years and with A. B. Wilson at Mynard for 2 years.—Mont Robb.

Hastings, Neb.—The E. Stockham Grain Co. has been incorporated with a capital stock of \$50,000. E. Stockham is pres., A. W. Stockham, vice-pres., L. M. Stockham, treas., and G. Roth, sec'y. The company will maintain elvtrs. here and at Mount Claire, Fairfield, Lincoln, Phillips, Bloomington, Holbrook, Brickton, Arapahoe and Edison. H. H. Hamblin, of Randolph, will be associated with the company here.

OMAHA LETTER.

The steel construction work on the new Grain Exchange Bldg. has been completed.

Chas. Borin, who recently sold his elvtr. at Malvern, Ia., is now in the employ of the Updike Grain Co.

A. H. Bewsher, of Bewsher & Co., broke his knee cap in running from 2nd to 3rd base in a baseball game at the grain men's annual outing at the Carter Lake Club July 16.

John A. Redick, of the Merriam Com'sn Co., won the state golf championship recently in one of the fastest rounds ever played in the finals of the Nebraska State Golf Ass'n.

The Omaha Elvtr. Co. is remodeling its large Hess Drier, installed in 1905. The Hess Company is putting in its latest type of steam coils and making other changes which will bring the drier up-to-date.

NEW ENGLAND

Weir, Mass.—The Stiles & Hart Brick Co. has bot the old Briggs Elvtr.

Wakefield, Mass.—New scales are being installed in the elvtr. of Curley Bros. at Wakefield Jctn.

Worcester, Mass.—Four bags of grain were taken recently from the warehouse of Arthur N. Whittemore & Co., grain dealers.

Augusta, Me.—The Farmers Union Grain & Supply Co. is contemplating the erection of another elvtr. and also the removal of its headquarters to Waterville.

NEW JERSEY

Camden, N. J.—Earl B. Sitley has been incorporated with a capital stock of \$25,000 to handle grain feed and supplies.

Perth Amboy, N. J.—A. M. Metzendorf is building an elvtr. Contract has been let for the equipment which includes an attrition mill, cracked corn separator and grader, cob crusher, dust collectors, sacking scale and other grain handling and power transmission machinery.

NEW YORK

Buffalo, N. Y.—The Eldad Mfg. Co. will build reinforced concrete grain storage at a cost of \$5,500.

Cape Vincent, N. Y.—Report states the New York Central Ry. Co. is interested in a project to erect a 2,000,000-bu. elvtr. at this point.

Oswego, N. Y.—The plant of the Oswego Mfg. Co. will be overhauled so as to increase the capacity 50% and decrease the cost of operation.

Buhalo, N. Y.—C. S. Anderson is mgr. of the recently incorporated Perry Mill & Elvtr. Co. which has opened an office in the Chamber of Commerce Bldg.

Le Roy, N. Y.—Thomas Gleason has broken ground for a 24x48 ft. addition to his grain and bean elvtr. Work will be rushed so as to have it ready by fall.

Troy, N. Y.—The Boutwell Mfg. & Grain Co. has let contract for a 50,000-bu. elvtr., 50x125 ft. warehouse, and 300-bbl. rye mill to be built of reinforced concrete and fire-proof.

New York, N. Y.—J. F. Hammers is mgr. of the branch grain and feed business of Logan & Bryan, of Chicago, Ill. He has been admitted to membership in the Produce Exchange.

New York, N. Y.—Benjamin B. Bryan, Jr., of Logan & Bryan, Chicago, Ill., Howard M. Smith, of J. B. Howser, and William J. Cassidy, of the American Cotton Oil Co., have applied for membership in the Produce Exchange.

Buffalo, N. Y.—The Archer-Daniels Co., of Minneapolis, Minn., has purchased a site for a concrete elvtr. and mill to be built immediately. The elvtr. will have a capacity of 500,000 bus. and the flax mill of 2,000,000 bus. per annum.

Buffalo, N. Y.—Owners of the idle islands in Buffalo harbor, purchase of which by the city was vetoed by Mayor Fuhrmann, are figuring on getting Peck Slip, east of their property. They announced their intention, if successful in getting the slip, of building warehouses and an elvtr. on the islands.

Buffalo, N. Y.—The new 1,000,000-bu. concrete elvtr. of the Eastern Grain, Mfg. & Elvtr. Corporation, will be completed about Aug. 15. It will be equipped with both lake, canal and all-rail transfer apparatus and will be able to both receive and discharge about 40,000 bus. an hour, so that it can unload a large lake cargo in a working day.

NORTH DAKOTA

Goodrich, N. D.—The Farmers Elvtr. Co. will build an annex to its elvtr.

Northwood, N. D.—The Heising Elvtr. Co. is rushing work on its new elvtr.

Heil, N. D.—Work on the new elvtr. of the Heil Equity Exchange is well under way.

Sherwood, N. D.—I am now agt. of the Cargill Elvtr. Co. here.—Neil Littlejohn, Fert.

Alta, N. D.—Application for a site for an elvtr. has been made to the Northern Pacific.

Nome, N. D.—The elvtr. of the Nome Grain Co., was damaged by lightning recently.

Velva, N. D.—The Farmers Elvtr. Co. has let contract for a 30,000-bu. elvtr. to T. E. Ibberson.

Minot, N. D.—The Farmers Grain Ass'n will install a new cleaner and make other improvements.

Kildeer, N. D.—The completion of the Pettibone Elvtr. will make the fourth house for this station.

Havana, N. D.—The Farmers Co-operative Grain Co. will remodel its elvtr. in the near future.

Parkin, N. D.—The Benson-Newhouse-Stabek Co. has just completed new elvtrs. here and at Heil.

Raleigh, N. D.—H. H. Kankey has succeeded me as agt. of the Columbia Elvtr. Co.—J. A. Zacher.

Menoken, N. D.—No elvtr. is in course of construction here.—Edward Keenan, agt. Great Western Grain Co.

Bloom sta. (Spiritwood p. o.), N. D.—Extensive repairs have been made on the elvtr. of the Star Elvtr. Co.

Bowman, N. D.—Plans are being made to consolidate the Griffin Equity Elvtr. Co. and the Bowman Equity Elvtr. Co.

Cummings, N. D.—I have accepted a position as mgr. of the Equity Elvtr. & Trading Co.—Oscar Almlie, Mayville.

Logan, N. D.—The Minnekota Elvtr. Co., of Minneapolis, Minn., has let contract for a 25,000-bu. elvtr. to T. E. Ibberson.

Honeyford, N. D.—The Thorpe Elvtr. Co. has closed its elvtr. and I am now farming at Gilby.—Knutte Gullikson, former agt.

Minden sta. (Washburn p. o.), N. D.—The Atlantic Elvtr. Co. has bot and taken possession of the elvtr. of Otto Schulz.

Carlson, N. D.—A local union of the American Society of Equity has been organized here with M. N. Ruland as pres.

Jamestown, N. D.—The Occident Elvtr. Co. is installing a new leg, new spout, platform and making other improvements.

Sweetwater sta. (Devils Lake p. o.), N. D.—The Farmers Grain Co. will rebuild its elvtr., burned last January. Contract has been let.

Cando, N. D.—We are not interested in the Cando Elvtr. Co. which is building a 50-bbl. flour mill.—J. W. Surha, Farmers Elvtr. Co.

Sydney, N. D.—Farmers Elvtr. Co. incorporated; capital stock, \$8,000; incorporators, John Watson, Louis A. Mielke and W. H. Coffell, of Edgeley.

Glen Ullin, N. D.—The office and driveway of the elvtr. which the Occident Elvtr. Co. owns near the Nor. Pac. depot will be moved to its other elvtr.

Columbus, N. D.—Mr. Lofgren, agt. of the Northland Elvtr. Co., ended his life recently. His accounts are straight and no reason for the act has been given.

Ashley, N. D.—Farmers Co-operative Elvtr. Ass'n incorporated; capital stock, \$10,000; incorporators, Gottlieb Waltz, Thomas Maerrtz and G. Roeszler.

Brocket, N. D.—I am agt. of the National Elvtr. Co.'s elvtr. here which has been closed for some time, having been transferred from McCanna.—F. R. Lynch.

Plaza, N. D.—The Farmers Elvtr. Co. is planning to build another elvtr. equipped with a 25-h.p. engine. Electric power will be used for both houses.—H. H. Westlie, mgr. Farmers Elvtr. Co.

Solen, N. D.—The Winter-Truesdell-Ames Co. has completed its new 35,000-bu. elvtr. We are improving our elvtr. in preparation for the new crop.—H. W. Long, mgr. Solen Equity Exchange.

Perth, N. D.—We will do considerable remodeling, installing a cleaner, a 15-h.p. engine and an extra leg. We expect to have the work completed by Aug. 10.—R. J. Louden, mgr. Farmers Elvtr. Co.

Bismarck, N. D.—A petition filed recently makes the terminal elvtr. bill amending the law providing for a mill tax for terminal elvtrs. inoperative temporarily. It is said the petition was not properly drawn up and will probably be thrown out.

Turtle Lake, N. D.—We are installing a new cleaner and a 15-h.p. engine. We have built a 48x60 ft. machine shed and handle all kinds of farm machinery and are now building a 52x60 ft. lumber shed to handle lumber and building material.—Equity Elvtr. & Trading Co.

Lawton, N. D.—Whelan Bros. have sold out to the Farmers Elvtr. Co. P. J. Whelan, buyer for the past 11 years, will retire for the present. The Lawton Grain Co. has purchased the elvtr. formerly owned by C. E. Burgess. Jas. Goreck will be mgr. and R. S. McMorran has been appointed mgr. of the Farmers Elvtr. Co.—P. J. Whelan.

Dawson, N. D.—The Supreme Court of North Dakota has decided against C. A. Cross, who brot suit against the directors of the Farmers Elvtr. Co. for an accounting. Cross, who was the principal promoter of the company, had in the names of dummies 53 of the 106 issued shares of stock, giving him control, altho the by-laws forbade anyone owning more than 10 shares of stock. In order to prevent Cross from retaining control the directors later in 1913, sold 70 shares of the unissued stock, and Cross went into court to have this sale set aside; but the court held the directors had a right to accept subscriptions to the full amount of the 200 shares originally authorized.

Bismarck, N. D.—The question of taxing leased sites along railroads will be fought out before the state board of equalization when that body meets here next month, as a result of action taken by the several county boards of equalization this week. The country boards have refused, unanimously, to abandon the leased site assessments. The state tax com'sn has brought the matter to a head ordering such property assessed. Holders of the property, under lease from the railroads, contest the right of the state to tax them, maintaining the property is taxed as a part of the railroad right of way.

OHIO

Fostoria, O.—The Harter Mfg. Co. has repaired its elvtr. and mill.

Bremen, O.—Brown & Burnworth have succeeded the Turner Bros. Co.

West Liberty, O.—J. H. Blank has bot a half interest in the elvtr. of D. K. Hartzler.

Wooster, O.—A. G. Smith is pres. and mgr. of our company.—Gray & Smith Mfg. Co.

Bellevue, O.—The W. H. Gardner Grain & Mill Co. will install a new 140-h.p. gas engine.

Trebeins, O.—C. O. Miller has succeeded Speer & Downen and will build an up-to-date plant.

Greenwich, O.—Walter Firestone will take possession Aug. 1 of the elvtr. he recently acquired at this station.

Fostoria, O.—The Churchill Grain & Seed Co., of Buffalo, N. Y., has purchased an interest in the Fostoria Elvtr. Co.

Kennard sta. (Cable p. o.), O.—We have made repairs on our elvtr., enlarging the storeroom for feed, etc.—J. L. Hewling & Co.

Lippincott sta. (West Liberty p. o.), O.—We have installed a new power plant in our 10,000-bu. elvtr. which is the only house here.—Outram & Russell.

Ottawa, O.—We have completed the remodeling of our elvtr., installing a new Sidney Cleaner. We have built new coal sheds and now have a capacity of 15,000 bus.—Putnam Grain Co.

Utica, O.—When completed, our elvtr. will have a capacity of 6,000 or 7,000 bus. of wheat and will have a capacity for handling 2,000 bus. per hour.—Geo. Lazear, Mount Vernon Hay Co., Mount Vernon.

Richwood, O.—I was a member of the firm of Gill & Hershberger until June 15 when I sold my interest to R. R. Gill. The business is now operated as the Richwood Grain Co.—D. D. Hershberger, Broadway.

Marion, O.—The plant of the Marion National Mill Co., operating an elvtr. here, was damaged to the extent of \$30,000 by fire July 18, partly covered by insurance. The fire is supposed to have started from spontaneous combustion.

Cleveland, O.—The grain warehouse and barns of the J. F. Kemper Co. burned July 9 with a loss of from \$15,000 to \$20,000 which is partially covered by insurance. The fire is thought to have been caused from sparks from a passing locomotive.

Broadway, O.—P. H. Perry and myself have formed a partnership and bot the elvtr. formerly owned by C. I. Hoop and operated by Sanft & Sanderson for 6 years until last December when Howard Shaw bot it from Mr. Hoop. We are now building an addition which will double the capacity.—D. D. Hershberger, P. H. Perry & Co.

CINCINNATI LETTER.

L. Simonton, of Lebanon, has applied for membership in the Chamber of Commerce.

A by-laws com'ite will be appointed to take up the question of admittance of women as members of the Chamber of Commerce.

The dust collecting system in the elvtr. of Gale Bros. was wrecked and the iron sheathing torn from a portion of the roof during a recent wind storm. The roof of the plant of the Smith & Walker Co. was also damaged.

The Grain Dealers Ass'n of the Chamber of Commerce held its annual meeting at the Lookout House July 17.

The rule, forbidding members of the Chamber of Commerce to appear in the exchange hall in their shirt sleeves between June 15 and Sept. 15, has been abolished.

Hans Van Nes, member of the Chamber of Commerce and one of the largest importers of distillers' dried grain at one time, died recently, aged 72 years. He was pres. of the J. W. Biles Co. and the Ubiko Mfg. Co.

OKLAHOMA

Kingfisher, Okla.—The Kingfisher Mill & Elvtr. Co. has overhauled its plant.

Vinita, Okla.—R. H. Drennan is building an elvtr. here.—Alva Roller Mills, Alva.

Guymon, Okla.—We have succeeded the Pioneer Realty & Grain Co.—Jordan Elvtr. Co.

Rosedale, Okla.—D. B. Harrison and B. F. Swindle will build an elvtr. at this station.

Yukon, Okla.—The Yukon Mill & Grain Co. will erect a smokestack and put a new boiler in its plant.

Oklahoma City, Okla.—The Oklahoma City Mill & Elvtr. Co. is building a warehouse to cost about \$2,000.

Supply, Okla.—I am no longer agt. of the C. B. Cozart Grain Co. here and have removed to Ness City, Kan.—S. M. Owen.

Frederick, Okla.—Members of the Oklahoma Grain Dealers Ass'n have held district meetings recently at this city, Tulsa and Vinita.

Pauls Valley, Okla.—The Pauls Valley Mill & Elvtr. Co. is building a 30x50 ft. addition to be used for manufactured products.

Davidson, Okla.—The Jones Grain Co. has incorporated and taken over an elvtr. at this station. W. P. Jones is a member of the firm.

Locust Grove, Okla.—The Aylsworth-Neal-Tomlin Grain Co., of Kansas City, Mo., contemplates the erection of an elvtr. at this point.

Helena, Okla.—I am mgr. of the elvtr. of the Choctaw Grain Co. which has been leased up to this time to Davis & Walker.—T. W. Blakley.

Medford, Okla.—Falkenberg & Co. have moved their feed and seed store to the new building in connection with their elvtr. on the C. R. I. & P.

Oklahoma City, Okla.—R. H. Drennan Grain Co. has engaged in the export business and will ship to Galveston, Tex., and New Orleans, La.

Roosevelt, Okla.—The Alexander Grain Co. has installed a grain dump and elvtr. on the Frisco just south of this station and will load grain into cars.

Forgan, Okla.—T. A. Green is now agt. of the Bolin-Hall Grain Co., succeeding Chas. Conover, who will take a position with the company at Liberal, Kan.

Oklahoma City, Okla.—I had made arrangements to enter the grain business but have now decided to engage in business along another line.—Morris Erdwurm.

Lindsay, Okla.—J. H. Pruitt has enlarged and improved his elvtr. Concrete foundation and floors have been laid, a new dump installed and the capacity increased to 12,000 bus.

Lawton, Okla.—P. M. Walker is mgr. of the Walker Flour Mills Co. which recently succeeded the Lawton Mill & Elvtr. Co. The overhauling of the plant is about completed.

Manitou, Okla.—The new 7,000-bu. elvtr. under construction for A. D. Winsor, of Frederick, has been completed. Walter Phillips, the agt., has been buying grain on track while the house was being built.

Chelsea, Okla.—U. S. Jeffries has leased the Chelsea Mill & Elvtr. from Marion Reed for a year. The elvtr. and mill have been overhauled at an expense of \$700. The elevating capacity has been doubled.

Goodwell, Okla.—Work is progressing on the 15,000-bu. elvtr. under construction for the Liberal Elvtr. Co., of Hutchinson, Kan.

Okemah, Okla.—The Okemah Grain Co., composed of E. W. Sibley and S. W. Hogan, of Oklahoma City, are negotiating with the F. S. & W. R. R. for a site and will begin the erection of an elvtr. within the next few days.

Checotah, Okla.—The Checotah Mill & Elvtr. Co. has completed the foundation for its new 15,000-bu. elvtr. The best machinery procurable will be installed in the elvtr. which replaces the one wrecked by a tornado recently.

Pawnee, Okla.—The Pawnee Mill & Elvtr. Co. has installed a 90-h.p. boiler in its elvtr. and mill. A new engine room has been built and the boiler set in a solid concrete and brick base. The entire plant has been overhauled.

Oklahoma grain dealers are urged to co-operate with the several scale inspectors of the railroad companies by permitting the inspectors to examine their scales. The railroads have joined with the grain dealers in a weight agreement and it is to the mutual advantage of all that the railroad inspectors now touring the state be given an opportunity to complete their work at each station they visit by inspecting every dealer's scales.

OREGON

Baker, Ore.—The Baker Mill & Grain Co. will erect an elvtr. and warehouse which will double the capacity of the present 225,000-bu. house.

Rock Creek, Ore.—Robert McCaughey has bot a half interest in the plants of the Baker Mill & Grain Co. here and at Baker. J. W. Stuchell, Jacob Scholl and V. E. Porter are the other members of the firm.

PENNSYLVANIA

Pittsburgh, Pa.—J. W. Smith & Co. are installing a large drier in the Exchange Elvtr.

Philadelphia, Pa.—Ambrose B. Clemmer, sec'y of the Commercial Exchange, celebrated his 52d birthday July 14.

Philadelphia, Pa.—John R. Rodgers is now connected with Richardson Bros. He has been elected to membership in the Commercial Exchange.

SOUTH DAKOTA

Hoven, S. D.—The farmers will build an elvtr. at this point.

Nisland, S. D.—J. D. Duer has about completed his new elvtr.

Lake Andes, S. D.—D. I. Evans is now mgr. of the Farmers Elvtr. Co.

Mansfield, S. D.—The Farmers Elvtr. Co. will build a large elvtr. and coal shed.

Watertown, S. D.—H. Hymes is now grain buyer for the Farmers Elvtr. Co.

Ward, S. D.—Mr. Foreman has been chosen as mgr. of the Farmers Elvtr. Co.

Putney, S. D.—E. W. Ketcham has repaired and painted his elvtr.—A. M. Coyle, agt.

Canova, S. D.—Wm. Schmitz, agt. for J. T. Scroggs for the past 12 years, has resigned.

Arlington, S. D.—Farmers are considering the erection of an elvtr. to cost about \$25,000.

Badger, S. D.—Walter Nelson has accepted the position as mgr. of the Farmers Elvtr. Co.

Wilmot, S. D.—The elvtr. of the Farmers Elvtr. Co. was slightly damaged by lightning recently.

Plankinton, S. D.—G. H. Barber has been retained as mgr. of our company.—Farmers Elvtr. Co.

Ashton, S. D.—R. D. Twaddle, of Hecla, will have charge of the elvtr. under construction here.

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Conde, S. D.—Guy Smith has bot an elvtr. at this station.

Plankinton, S. D.—Carl Furchner will have his new 30,000-bu. elvtr. completed in a short time.

Mina, S. D.—The recently incorporated Mina Equity Exchange has bot the elvtr. of A. P. Hasvold.

Fife sta. (Mina p. o.), S. D.—J. G. Brady will build a 25,000-bu. elvtr. The material is already on the ground.

Morristown, S. D.—The Farmers Elvtr. Co. is planning to buy the stock of the Morristown Equity Union.

Florence, S. D.—Ed. Johnson has been retained as mgr. and buyer for the Farmers Elvtr. Co. for another year.

Wessington Springs, S. D.—W. O. Kinger has sold his interest in the Will Olson Elvtr. to Gehan & Gotwals.

Hazel, S. D.—Arthur Christman, formerly of the Farmers Elvtr. Co. at Grover, is now with the Farmers Elvtr. Co. here.

Salem, S. D.—Albert Ecklein has succeeded Anton Lowe, who resigned July 1 as agt. of the Hoese & Lueht Grain Co.

Humboldt, S. D.—J. W. Straup, of Sioux Falls, has succeeded Theodore Giesen, who has resigned as mgr. of the Farmers Elvtr. Co.

Colton, S. D.—W. Z. Sharp has sold his elvtr. to the Merchants Elvtr. Co. and I am working for that company.—Reuben Larson.

Adelaide, S. D.—The Farmers Union Grain Co. has let contract for a 25,000-bu. elvtr. on the M. & St. L. Ry. to T. E. Ibberson.

White, S. D.—Farmers Elvtr. Co. incorporated; capital stock, \$15,000; incorporators, J. H. Simmons, George A. Fraireis and C. M. Arnold.

Davis, S. D.—The elvtr. of the Monarch Elvtr. Co. burned to the ground July 20. The cause of the fire is unknown.—John C. De Vries, agt. C. C. De Boer.

Redfield, S. D.—The firm of Engel & Schuermeyer has been dissolved and I will assume control and ownership of the business, effective July 1.—H. B. Engel.

Peever, S. D.—I have purchased the elvtr. of Carl J. Rice and have built a new engine house and made other repairs.—I will operate under my own name.—N. A. Rudning.

Frankfort, S. D.—We are overhauling our elvtr. The Frankfort Elvtr. Co. bot the mill of the Pierce Mfg. Co. and is repairing it.—Chris Fetzner, mgr. Farmers Elvtr. Co.

Aberdeen, S. D.—The Aberdeen Equity Union has been formed with S. H. Cook as pres. and O. A. Swanson, sec'y-treas. It is considering the purchase of the elvtr. of the Anderson Grain Co.

Faulkton, S. D.—Excavations have been made for the foundation of the new elvtr. for which the Farmers Elvtr. Co. recently let contract. The construction work will be rushed so as to have the house ready by Aug. 15.

Baltic, S. D.—We are installing 2 electric motors, 2 automatic scales, 2 manlits and other equipment at an expense of from \$1,500 to \$2,000. The year just closed has been the most successful of all our 28 years in business.—E. J. Oyan, mgr. Farmers Elvtr. Co.

Volga, S. D.—We have engaged in the live stock business in addition to our elvtr. The business is operated as M. Scheisser & Co. with M. Scheisser holding a half interest. Julius Sundet has succeeded P. O. Severson as mgr. of the Farmers Shipping Ass'n.—Geo. O. Cotton, sec'y Dyball & Cotton Elvtr. Co.

Betts, S. D.—The Farmers Co-operative Union Elvtr. Co. has been incorporated with a capital stock of \$10,000 by J. C. Lehman, J. E. French and others and will commence the construction of an elvtr. here, which is half way between Mitchell and Mount Vernon. J. C. Lehman is pres. —Farmers Elvtr. Co., Plankinton.

SOUTHEAST

Columbus, Miss.—A 400-bu. corn mill is being erected by the Peoples Ice Co.

Orangeburg, S. C.—Ayers & Williams have completed the erection of an elvtr. and mill.

Richmond, Va.—W. G. Bragg, who recently had to undergo a painful operation, is out again.

Valdese, N. C.—The Valdese Roller Mills Co. has been incorporated to do a general grain and milling business, capital stock, \$50,000.

Charleston, W. Va.—H. L. Terrie & Co. has succeeded Cabell-Evans & Co. Mr. Terrie, pres., desiring to operate under his own name.

Richmond, Va.—S. T. Beveridge, of S. T. Beveridge & Co., has just returned from an extended trip to California, and reports a fine time.—B.

Gainesville, Fla.—The Alachua Elvtr. & Grain Co. is preparing plans for a grain elvtr. and produce storage warehouse to be ready by Sept. 1.

Richmond, Va.—J. Lee has been admitted to membership in the Grain Exchange and the membership of W. L. Butter & Co. has been posted for transfer.

Houston, Del.—Theodore Thistlewood has let contract for a cleaning and grain handling machinery, flour milling equipment and feed and cracked corn machinery.

Norfolk, Va.—An involuntary petition in bankruptcy has been filed against Osterhout, Green & Co., grain merchants. The City Hay & Grain Co. is one of the creditors.

Anderson, S. C.—The Carolina Grain & Elvtr. Co., incorporated; capital stock, \$8,000; incorporators, J. E. Clinkscales, pres., R. E. Burris, vice-pres., and E. H. Richards, sec'y-treas.

Atlanta, Ga.—The automobile in which M. T. Toney, of the grain firm of Emmet, Toney & Co., was riding was struck by a passenger train on the outskirts of this city July 7 and Mr. Toney died July 9 from injuries received.—Joseph Gregg & Son.

Winston-Salem, N. C.—I have just completed 4 concrete tanks with a capacity of 20,000 bus., on the Winston-Salem R. R. The Farmers Union Agency Co. is building a 16,000-bu. elvtr. and a fertilizer mixing plant.—S. L. Spach, prop., South Side Roller Mills.

TENNESSEE

Memphis, Tenn.—J. M. Rusk, ass't grain inspector for 10 years, died from apoplexy recently.

Ashwood, Tenn.—We will build a grain warehouse, 100 ft. long and 50 ft. wide, this fall.—Ashwood Roller Mills.

Springfield, Tenn.—The recently incorporated Bell-Dowlen Mill Co. has let contract for a 150-bbl. flour and feed mill with storage and cleaning facilities.

Lewisburg, Tenn.—J. R. Wilhoit, of Wilhoit, is pres., and J. S. Morris, sec'y-treas. of the Lewisburg Mill & Elvtr. Co. in which they recently bot the controlling interest.

Lenoir City, Tenn.—The Town Creek Mfg. Co. will build a 25,000-bu. elvtr., 250-bbl. flour mill and a 500-bbl. corn mill on a recently purchased site. The plant will replace the one which burned some time ago, with a loss of \$40,000.

TEXAS

San Antonio, Tex.—E. H. Prescott, of the Prescott Grain Co., has retired from the grain business.

Farwell, Tex.—An elvtr. will be built here, promoted by J. D. Hamlin.—E. W. Harrison, Hereford.

Terrell, Tex.—F. W. Muckelroy & Co. have entered the grain business.

Hico, Tex.—J. F. Wieser & Co., operating an elvtr. here, are building a brick addition to their plant.

Houston, Tex.—Plans are under way for the construction of a 1,000,000-bu. elvtr. on the Houston Ship Channel.

Happy, Tex.—We have completed the new elvtr. for which we let contract last April.—Townsend Grain Co.

Krum, Tex.—The Bewley Mills has finished its new elvtr. which replaces the house burned some time ago.

Wichita Falls, Tex.—W. L. Perkins, of Oklahoma City, is acting as representative of the Wichita Mill & Elvtr. Co.

Tulia, Tex.—Porter & Son will start work on their new elvtr. soon, which will have 6 bins.—J. C. Cowan Grain Co.

Pampa, Tex.—A. C. Matthews has succeeded me as mgr. of the Pampa Grain Co.—D. W. Osborne, L. C. McMurry Grain Co.

Pampa, Tex.—The elvtrs. we are building here and at Kings Mill will have a capacity of 15,000 bus.—Alva Roller Mills, Alva.

Glazier, Tex.—U. S. Strader, of Rochester, Ky., has bot an interest in the elvtr. of the C. B. Cozart Grain Co.—A. F. Brown, Higgins.

Fort Worth, Tex.—The Walker Grain Co. is defendant in a suit brot by the Peirson-Lathrop Grain Co., of Kansas City, Mo., for breach of contract.

Farmersville, Tex.—The recently organized Collier & Rike Grain Co. did not succeed me. I am still doing business here. W. G. Rike, W. G. Rike Grain Co.

Celina, Tex.—The Celina Mill & Elvtr. Co. will build a 100-ft. fireproof reinforced concrete warehouse with metal frame windows, iron doors and a concrete floor.

Lancaster, Tex.—The recently organized Lancaster Mfg. Co. has been incorporated with a capital stock of \$10,000 by J. A. Smith, F. L. White and E. B. Liggett.

Vega, Tex.—Our elvtr. will soon be completed. It has a capacity of 14,500 bus. and is located on the Rock Island.—E. W. Hayes, sec'y-treas. Farmers Elvtr. & Storage Co.

Tulia, Tex.—We have bot the elvtr. of the J. C. Cowan Grain Co. and will make several improvements, installing a 10,000-bu. Richardson Automatic Scale.—Townsend Grain Co., Happy.

Temple, Tex.—A bonded warehouse for grain and cotton, to cost not less than \$10,000, is planned by H. C. Poe, pres. of the Temple State Bank. A stock company will be formed to operate it.

Dorchester, Tex.—The Chapman Mfg. Co. has bot the elvtr. of the Paul Bean Grain Co. here as well as at Howe. Extensive improvements are being made on both elvtrs. as they have been closed for several years.

Houston, Tex.—The alfalfa plant of the South Texas Grain Co. was destroyed by fire July 11. The building and machinery, valued at \$7,500, are a total loss. Insurance of \$5,000 was carried. The cause of the fire is unknown.

Amarillo, Tex.—J. N. Beasley, who has successfully managed this company for the past 4 years, is voluntarily retiring to enter the grain business under the name of the J. N. Beasley Grain Co. with connections at every principal point in the Panhandle. He is vice-pres. of the Texas Grain Dealers Ass'n.—Amarillo Mill & Elvtr. Co.

Galveston, Tex.—Rains during harvest have made much of the grain damp when loaded, and it is said that grain arriving at this city is not inspected until it is placed at the elevator for unloading, placing on the shipper the risk of deterioration after arrival and before unloading. E. J. Smiley, sec'y of the Kansas Grain Dealers Ass'n, advises shippers to bear this in mind when making sales for export.

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WASHINGTON

Rodna, Wash.—The Northern Grain Co. contemplates the construction of a warehouse.

Waukon, Wash.—I have completed my new 60,000-bu. elvtr. on the G. N. R. R.—W. L. Walker.

Kennewick, Wash.—A. E. Knerr, of North Yakima, is now mgr. of the Kennewick Grain & Mfg. Co.

Endicott, Wash.—A. H. Young has been appointed agt. of the warehouse of the Manning Grain Co.

Ronan, Wash.—The Whetstone-Turner Warehouse Co. is building a 200 ft. warehouse in addition to the 300 ft. house it is now operating.

Seattle, Wash.—The Merchants Exchange at its recent annual meeting elected H. H. Rasmussen and A. E. Sutton to represent the grain interests.

Chehalis, Wash.—The Farmers Mfg. & Produce Co. has organized and leased the Leonard Warehouse. The company will handle grain, flour and feed.

Kennewick, Wash.—R. E. Pratt and F. L. Watson have organized the Empire Grain Co. to operate warehouses here and at Coulee City. They will do a general grain buying business.

Seattle, Wash.—Efforts are being made by the Port Com'sn to conduct a hearing in this city on the proposed rules and regulations for the storage of grain in public terminal warehouses.

Endicott, Wash.—The Pacific Coast Elvtr. Co. has erected a 40 ft. square storeroom connecting its 2 warehouses, which have a total storage capacity of 65,000 bus. The company handles about 100,000 sacks of grain each season.

Seattle, Wash.—We operate warehouses at Ellensburg, Toppenish and Wapato in addition to our establishment here. These are used mostly for hay and are not strictly grain warehouses.—C. A. Morrison, mgr. W. W. Robinson Co.

Pullman, Wash.—Work is progressing on the bulk grain elvtr. which Bart Armstrong is building on the Northern Pac. right-of-way. The house, which will have a capacity of 25 carloads of grain, will be completed by Aug. 15 and will be in charge of Clayton Stone, of Bedford, Ind.

WISCONSIN

Fall Creek, Wis.—The Farmers Elvtr. Co. has closed its elvtr. for the season.

Marshfield, Wis.—The Uthmeier-Hintz Co. has finished a warehouse for grain and other commodities.

Tomah, Wis.—Jay Mosher's elvtr. was entered and an unsuccessful attempt made to rob the safe.

Elkhart, Wis.—We have enlarged our feed room.—P. W. Brickbauer, mgr. Farmers Merc. & Supply Co.

Sherwood, Wis.—We will paint our elvtr. and repair the tin siding.—Joe Seidel, agt. Wisconsin Malt & Grain Co.

Two Rivers, Wis.—The foundation for the new elvtr. and warehouse of the Two Rivers Mercantile Co. is completed and the construction work will be pushed forward rapidly.

Manitowoc, Wis.—Announcement has been made by the Western Elvtr. Co. of this city and Chicago, Ill., of the reorganization of the company and a change in policy under which it will discontinue its country elvtr. business and will center its operations at the big plant of the company in this city. The company's headquarters will be retained at Chicago where its offices have been located. With the reorganization the company has disposed of a large number of elvtrs. which it has operated in this and neighboring states, one of the largest elvtrs. closed being that at Winona, Minn. The storage and handling of grain will be taken care of at the elvtrs. in this city hereafter. R. E. Tearse of Chicago, who was formerly treas., becomes pres.

and general mgr., succeeding W. B. Parsons, of Winona, who has been head of the company for several years past. Mr. Tearse has been in charge of the Wisconsin elvtrs. and will now take over the management of all of the company's interests. The company's capital has not been reduced or its operations curtailed except as to the operation of the country elvtrs. No change is made in the local offices and elvtrs. as result of the new organization.

Osseo, Wis.—Eden Smith, prop. of the Osseo Elvtr. & Whse. Co., is pres. of the Osseo State Bank, which faces a shortage of over \$50,000 because the cashier, J. B. Thompson, wanted to get rich quick. Mr. Smith has told the depositors that they will get every cent of their money if it takes his last dollar. Two years ago Mr. Smith's elvtr., valued at \$9,000, burned down. It was a total loss, as Mr. Thompson had neglected to follow out Mr. Smith's instruction in regard to placing insurance on it.

MILWAUKEE LETTER.

The E. P. Bacon Co. has enlarged its office by adding another room.

Extensive improvements are being made in the elvtr. of the Lyman-Joseph Grain Co.

The E. G. Hadden Grain Co. has increased its capital stock from \$100,000 to \$150,000.

Robert G. Bell, of W. M. Bell & Co., has been admitted to membership in the Chamber of Commerce.

Herman Wehman, of Minneapolis, Minn., has been admitted to membership in the Chamber of Commerce.

Elvtr. "E," operated by Fagg & Taylor, resumed operations July 22, following the installation of a new engine and other improvements.

Charles F. Glavin and Arthur J. Virmond have been expelled from the Chamber of Commerce, having been found guilty of uncommercial conduct.

A com'ite has been named to confer with the Wisconsin Bankers Ass'n on the proposed grain and grain products exhibit in Milwaukee during the winter.

The Fraser-Smith Co., of Minneapolis, Minn., has established a branch office in this city. A. L. Flanagan, of Duluth, Minn., is mgr. and has applied for membership in the Chamber of Commerce.

The memberships in the Chamber of Commerce of A. F. Luening and W. H. Harter have been surrendered and cancelled upon application of the owners, in accordance with the provisions of the rule adopted Sept. 30, 1914, permitting members to withdraw from the Association and authorizing the Board of Directors to pay such members withdrawing and surrendering their certificates for cancellation, their proportion of the surplus funds of the Chamber. Since the passage of this amendment thirty-two memberships have been cancelled, reducing the total number from 605 to 573.

Beginning July 17 the C. & N. W. R. R. absorbed switching charges of connecting lines at Milwaukee on shipments of millet and flaxseed, grain and grain products when the shipments terminate here or are reforwarded on basis of reshipping or local rates from Milwaukee to other destinations. This absorption rule is subject to the following condition: On interstate shipments coming from points on the C. & N. W. or C. St. P., M. & O. Rys., the total freight charges must not be less than \$15 per car after deducting connecting line switching charges; on interstate shipments coming from points on other lines, the total freight charges must not be less than \$25 per car after deducting connecting line switching charges.

WYOMING

Laramie, Wyo.—The Overland Cereals Co.'s elvtr. will probably be taken over by Mr. Hayes, of Longmont, and Howard Moore, of Louisville, Colo.

Cobs

GASOLINE prices have recently been cut 1 cent per gallon in the western states by the Standard Oil Co.

GALVESTON, Tex., is said to have made a shipment recently of white spring wheat originating on the Pacific slope.

A CARGO of 150,000 bus. of Argentine flax is being brot to Duluth for a Minneapolis crusher.

THE SOUTH DAKOTA state agricultural college at Pierre has received a draft of \$50,000 from the government to help defray expenses for the ensuing year.

PENNY POSTAGE no. Better service yes. Postoffice department was shy ten millions past year. The service is not perfect. It can be improved. Good service is better than low postage.—C. A. King & Co.

J. P. JONES, member of the Board of Grain Com'sners of Canada, will be asked to report on the scheme for bulk handling of wheat, which has been proposed for Australia by the Dep't of Agriculture at Victoria.

VERY damp, badly sprouted (or grown) musty wheat will be plentiful and sell at bigger discounts. Buy it right. Improve it if you can. Some sample sold at Chicago as low as 94 cents.—J. F. Zahm & Co.

DECLINE IN PRICE of foodstuffs in Great Britain has caused a slump in ocean freights from Buenos Aires to England of from \$8.75 per ton to \$5. Price of Indian wheat in England is now \$1.50 compared with \$2.07 in April.

HENRY J. WATERS, dean of the Kansas Agricultural College, has accepted the presidency of the International Wheat Show, to be held at Wichita in October. Mr. Waters intends to establish the show as an annual event, on the same basis as the International Dry Farming Congress.

THE KANSAS State Board of Agriculture, Topeka, has issued a small booklet entitled "The Great Wheat Way," containing statistics on the state's production of that grain for the last 10 years. The yield of the 15 leading wheat states of the country is given in table form with acreage and value of the crops.

FOR THE FIRST TIME in the history of the United States at crop moving time there is a genuine fluidity in the currency in the autumn of 1915. The federal reserve banks are now discounting 10-day paper at 3 per cent, and there is practically no limit to the funds available to loan on the security of crops or merchandise.

NO DEMAND for wheat from Europe is the June cry of last winter's bulls. Of course not. Why should Europe pay a fancy price for wheat when their own harvest is pressing on the market? In due time the American wheat crop will be wanted at the price our farmers then ask for it. The French government honestly and officially admits a reduction of 13 per cent in the area under grain crop for 1915, and some loss of acreage is probable in other countries. Another factor in price making that has not yet been felt is the coming inflation of the currency in the countries at war. In turn this will drive out their sound money into America, a movement that has already started, as shown by the rates for foreign exchange, foreign money selling at unprecedented discounts.

Seeds

ROCHELLE, ILL.—The plant of the Rochelle Seed Co. is closed at present.

THE IDAHO SEED & PRODUCE CO. has opened a seed warehouse at Kimberly, Idaho.

THE SLOAN SEED CO. has been incorporated at Palo Alto, Cal., by F. C., J. E. and D. L. Sloan.

SEEDS to the value of \$28,555 were imported by the United States from Germany during May, 1915.

JOHN BAUMAN, Niles, Mich., has arranged to reopen his business with a complete stock of seeds and feed.

THE CLARINDA SEED & FEED CO., Clarinda, Ia., has been organized with G. M. McKee as manager.

C. S. BRENT, INC., Lexington, Ky., has obtained permission to change the name of the corporation to the C. S. Brent Seed Co., with limit of liabilities fixed at \$100,000.

THE GROWING CONDITION of flaxseed on July 9 was reported by the Bureau of Crop Estimates, Washington, D. C., as 101.5, figuring 100 as the 10-year average. Field beans, on the same basis, was reported as 102.1, and broom corn 102.1.

CIVIL SERVICE COM'SN on Aug. 18 will conduct examinations for a laboratory aid for seed testing in the Bureau of Plant Industry, Dep't of Agriculture in Washington. The post pays \$720 a year and is open to men and women.

THE SEED INSPECTION LAW of Maine is printed in Maine Sta. Off. Insp., 64, 1914, together with a description of home testing methods. Results of inspections during 1914, printed in tabular form, show that nearly 1,300 samples were practically up to the guaranty of purity.

THE HENRY FIELD SEED CO., Shenandoah, Ia., held its annual meeting of stockholders July 13. Sales of seed for the year amounted to \$313,000 compared with \$227,000 for the year ended July 1, 1914; the number of orders for the season just closed was 105,000 compared with 82,600 for the previous year.

A REVIEW of the work of the seed control station at Rostock, Germany, covering a period of 40 years, is published in Landw. Vers. Stat. 85, 1914, by M. Heinrich. Most of the data is in tabulated form, but discussions are also printed of the many species examined since 1874, when the station handled only 116 samples. In 1913 the number reached 3,028.

WILLIAM BROWN, University of Kansas, Lawrence, is making a study of the insects which are harmful to alfalfa. Thus far he has found 10 species, some of which eat the leaves while others suck the juice from the stem, leaving the plants to wither. Brown is also making a study of the insects' parasites and the most effective means of destroying the pests.

LAST YEAR'S SEED CORN for planting the 1916 crop in Minnesota is recommended by the Agricultural Dep't, University of Minnesota, and farmers are advised to begin the selection of seed immediately. C. P. Bull, crop expert of the university, believes that the 1915 crop will be good for feeding, but will not reach the full maturity necessary for seed purposes.

HASTENING GERMINATION of bur clover seed by soaking and scalding is described by J. F. Duggar and H. B. Tisdale in Ala. Col. Sta. Circ. 29, 1914. The most successful method was found to be a 4-hour soaking in water at room temperature and then scalding in boiling water for 1 minute, temperature 212 F. In 9 days 76% of the burs thus treated germinated, compared with 8% of those which were neither scalded or soaked. The circular explains methods of treating.

THE FIXATION and assimilation of nitrogen by leguminous plants is described by Albert L. Whiting in an 84-page booklet, Bull. 179, by the Agricultural Experiment Station, University of Illinois, Urbana. This booklet is a valuable and up-to-date scientific and practical record of what is known on the fixation of nitrogen, including besides a history of work done by others an account of many original experiments to determine thru which organs legumes obtain atmospheric nitrogen; profusely illustrated.

Considerations in Buying Seeds.

When buying seeds price is too often the first consideration, but the following points should also be carefully considered.

The percentage of purity.

The impurities, the percentage and character of weeds. For example, 97% purity may be preferable to 99.5% if, as may be the case, the 5% in the latter is some objectionable weed, and in the former the impurity is largely inert matter and comparatively harmless weeds.

The percentage of germination it is important to ascertain when tested, and to know the strength of vitality.

Weight, viz., weight per bushel for grasses and light seeds; per 1,000 grains for clovers and heavy seeds. This is very important, because in well-dressed seeds, light and immature grains are extracted. Buyers expect to pay more for heavier perennial ryegrass, but how many ascertain or consider the weight per bushel of Italian ryegrass and other grasses? It is most important to do so.

The standing and reputation of the seller. No matter how high this may be, all buyers should have their deliveries analysed and tested. The reputation of the Seller secures to the Buyer that "Reliability of Stock" which is well known to be important in Root Seeds, and is equally important in grasses, clovers, sanfoin, lucerne, etc.

Price—Taking into consideration terms of payment and position.

There are many facilities for having seeds tested. Most of the Agricultural Colleges and Universities do so, also:—Mr. S. F. Armstrong, Cambridge University (The Official Analyst to the Seed Trade Association of the United Kingdom). Mr. D. Finlayson, Wood Green, London, N. Professor John Percival, Reading University (The Swiss Seed Control Station). Dr. F. G. Stebler, Zurich.

Scotland, Ireland and practically every civilized country, except England, has its official seed testing station. Unfortunately some stations adopt different methods, but it must only be a question of time before a uniform system is adopted.

A seedsman who has recently made it a rule to have all his seeds tested, informed us that he had learnt enough never to give it up, and that it had taught him a lot, not only about the seeds, but also about sellers of seeds, and further that he found it a great selling factor.

No buyer should say or think he has "done better" until he has considered the above points, and in fairness to the sellers and himself, all deliveries should be tested.

The following is a useful form for enquiries:

"Please sample and quote for the underlined, stating: Percentage of purity and germination, impurities, percentage of dodder and/or dock seed, when and by whom tested, country of origin, weight (per bushel for light, per 1,000 grains for heavy seeds)." —C. W. Le May & Co.

From the Seed Trade.

FALMOUTH, KY., July 16.—Prospects are favorable for a large crop of sweet clover seed this season. We have just remodeled our seed warehouse and are now installing additional seed cleaners of large capacity, and electric motors to replace the former oil engine.—E. E. Bartron, Bokhara Seed Co.

ST. LOUIS, Mo., July 17.—Cow peas in this section are cut as soon as ripe owing to wet weather, and are threshed, when dry, with a machine rigged up for the purpose. Most of the hay is baled, and seldom loses in value as many of the peas, which are not well matured, remain in the hay. The hand picked pea has a brighter color than that which is threshed causing a difference of 25c per bushel in some instances.—D. I. Bushnell & Co.

TOLEDO, O., July 21.—The customary July advance in clover seed has not materialized, as weather conditions are too favorable to the new crop. Some think too wet weather in July is encouraging rank growth of stalks at expense of the seed, but the majority incline to the belief that the July moisture has been about the right thing in the right place, giving the seed crop a good start. With figures somewhat below final June prices, the feeling is still easy. The crop is not made yet, and any serious decline from these levels is not probable until the yield is more definitely assured. The farmers who have been hulling alike report the yield as about half a crop. Unless weather conditions become more favorable still greater reductions may be made. Feeling is easier in timothy owing to improvement in crop conditions.—Southworth & Co.

Strawberry Clover Seed Germination.

The feeding value of strawberry clover, or *Trifolium fragiferum*, is so great that growers of New South Wales would give it many times the present acreage were it not for the difficulty of producing from seed.

Up until the present season the practice has been to use roots, cutting the clover sod into small pieces, scattering it broadcast and then rolling. Planting in this manner costs about \$2.50 per 2,000 roots, including cost of transportation from Victoria. If satisfactory results could be obtained from seeding it would be considerably cheaper, the price of seed being 75c per pound. Over 50% of the pound, however, is made up of husks and the germinating average of the remainder is only 4%, so the use of seed at any price has been expensive.

Various methods have recently been tried to induce greater germination of the seed, including hot water and acid treatments; also scratching the surface of each seed. The latter was by far the most effective method and increased germina-

tion from 4% to over 70%. The seed was spread upon a large stone a handful at a time, and a piece of flat sandstone, 2 lbs. in weight, was passed over the seed without pressure. This hulled and scratched the surfaces of the seeds without crushing an excessive number. Fifteen minutes were required to treat each pound of seed, but the treatment produced not only greater germination but also a better stand under favorable conditions.

When sown in a hot bed $\frac{1}{4}$ lb. of seed in the husk should yield 40,000 plants. For field sowing, in soft or swampy places, 2 to 3 lbs. of treated seed should be sown to the acre. Tho able to stand very moist and marshy conditions this is not essential for success, as good results were obtained in recent experiments with a light, well-drained soil.

Supply Trade

He wore a smile
And stuck to biz;
He advertised—
And he got his.

E. AND P.

CHICAGO CALLER.—Oliver W. Randolph, Toledo, Ohio.

SILVER CREEK, N. Y.—We are very busy with orders for Monitor Grain Cleaners.—Huntley Mfg. Co.

THE LORD freezes the water, but you've got to cut your own ice. If you want business, go after it.—P. E. McKeighan.

ST. JOHNSBURY, VT.—The Fairbanks Scale Co. has purchased the plant and business of the Winters-Coleman Scale Co., Springfield, Ohio.

ANDERSON, IND.—The Dice Engine Co. has been placed in the hands of a receiver. Its assets are placed at \$6,000 and liabilities \$5,000.

CHICAGO, ILL.—Business is exceptionally good. Everybody seems to want Monarch Machinery; at any rate we are booking more orders than we are able to fill promptly.—Geo. J. Noth.

ST. LOUIS, Mo.—J. H. Yore, who for the past ten years has been representing Chase Bag Co., in Missouri, has just been placed in charge of city sales and is one of the newly elected members of the St. Louis Merchants Exchange.

CHICAGO, ILL.—The happiest man in the world is Geo. J. Noth, Western mgr. Sprout, Waldron & Co., who is the proud father of a baby boy born July 13th. Mr. Noth feels sure that the new arrival will become one of the best milling engineers and machinery salesmen in the Middle West.

SILVER CREEK, N. Y.—The S. Howes Co. has just received word from the Sperry Flour Co., which is operating a mill at the Panama-Pacific Exposition, that it has won the Grand Prize for flour, in the making of which Eureka separators, scourers and brush machines were used. Eureka packers were used in packing the flour.

WASHINGTON, D. C.—The Bureau of Foreign and Domestic Commerce reports that information has been received that, under the provisions of the law in Argentina, materials of all kinds for use in the installation of new grain elevators in Argentine ports and railroad yards and all machinery for such grain elevators are to be exempt from import duty in that country during the current year. The provision is made in the budget law for 1915.

Elevator and Feed Mill at Superior, Neb.

With a line of elevators in Kansas on the A. T. & S. F. Ry., Bossemeyer Bros. have their terminal at the only point in Nebraska reached by the Santa Fe, Superior, Neb., where the firm, now composed of Frank Bossemeyer and E. Bossemeyer, Jr., has recently completed the elevator and mill shown in the engraving, for the cleaning and sacking in transit of supplies drawn from the states of Nebraska, South Dakota and Iowa for the Southwest trade.

The manufacture of chopped feed is an important part of their business, and all five of their plants are equipped with roller feed mills. All sacked grain and feed goes out under the firm's double B trade mark.

The elevator and the mill house addition both are on concrete foundations, of studded construction and iron clad. In the elevator is space for 50,000 bus. bulk grain and in the mill for 20,000 bus. in sacks and bulk. The building is reinforced with heavy rod girts and heavy iron rods. The woodwork is protected from the weather by $1\frac{1}{4}$ inch corrugated galvanized metal, and the roof is covered with J. M. Asbestos Roofing. From the track level to the ridge of the cupola roof the elevator is 104 ft. 6 ins. high, giving a direct fall of 90 ft. from the elevator head to the car floor, so that cars can be loaded to their capacity without shoveling. The grain is discharged thru 8-inch well casing spouting into a bifurcated spout.

Grain can be unloaded from cars as well as the farmer's wagons. Cars are unloaded into a concrete sink extending from the track to the elevator boot in a pit 28 ft. deep beneath the main storage building. Two large legs elevate 3,500 to 4,000 bus. per hour, and in the mill house is an additional stand of elevators with a capacity of 600 bus. per

hour, all equipped with Van Ness Signaling Distributors.

Corn received from wagons is shelled in a cylinder sheller having 500 bus. capacity per hour, and elevated to Western Shaker Cleaner in the cupola. In the cupola is also 2,500-bu. double receiving Monitor Separator, from which the grain is directed by the distributor to bins or direct to car, the dust from both machines going to dust house and the screenings into special bin. The Monitor Separator is provided with ball bearings on all high speed shafts.

An Invincible Cracked Corn Separator used for separating and grading cracked corn and corn meal is located in the mill house cupola and it grades the chop as it comes from the mill. The dust from the cracked corn separator is blown into a Cyclone Dust Collector. A 3-pair high roller feed mill is set on the working floor of the mill house to do the feed and chop grinding. The building is also provided with equipment for making high grade corn meal and graham flour. Both the elevator and mill house are equipped with safety roller bearing Van Ness Manlifts. The mill house is also equipped with a hand power freight lift used in handling sacked feed. A 50-hp. motor installed in the basement of the mill house furnishes power for the entire plant. All shafting throughout the entire building is equipped with roller-bearings.

The elevator building is equipped with a Clark Power Shovel, which is used in unloading bulk grain from the cars, also a Weller Power Car Puller with a pulling capacity of ten cars. This entire up-to-date plant was designed and erected by the R. M. Van Ness Construction Co.

The building is equipped with lightning rods furnished by W. C. Shinn.

INDIA'S CROP OF WHEAT is officially placed at 381,000,000 bus., compared with 317,000,000 in 1914. Present prices tho low, are affording growers a reasonable profit. Consumption is heavy.



Bossemeyer Bros.' New Transfer and Cleaning Elevator at Superior, Neb.

Supreme Court Decisions

Indian's Right to Sell Corn.—A member of the Prairie band of Pottawatomie Indians can sell the corn growing on the land allotted to him by the government, and the contract of sale is not a contract touching the land or any interest therein.—McClain v. Miller. Supreme Court of Kansas. 149 Pac. 399.

Carrier's Liability.—Where a shipment was improperly handled by a terminal carrier and injury occurred while in its possession, it was liable without reference to a provision in its B/L exempting it from liability for injuries not occurring over its own line.—United S. S. Co. v. Houston Packing Co. Court of Civil Appeals of Texas. 177 S. W. 570.

Surrender of B/L.—Where plaintiffs shipped goods under an "order notify" B/L requiring its surrender before delivery, and the goods were delivered to the consignee upon his written order and without surrender of the bill, such delivery was a breach of the contract for transportation giving the shippers a right of action.—Thomas v. Blair. Supreme Court of Michigan. 151 N. W. 1041.

Carrier Liable for Full Value.—Where a carrier transported freight to a wrong place, and there sold it as unclaimed freight, it converted it and was liable for its full value, tho the contract of shipment fixed a less sum as value, and though a carrier merely losing freight may rely on the limited liability.—St. Louis, I. M. & S. Ry. Co. v. Wallace. Court of Civil Appeals of Texas. 176 S. W. 764.

Commission Merchants' Law of Washington Valid.—The Commission Merchants' Law (Rem. & Bal. Code, §§ 7024-7035) is not invalid because requiring a small license fee from such person; the fee not being oppressive. Nor is it invalid as unreasonable because requiring the giving of a surety bond for \$3,000 before license can be issued.—State v. Walter Bowen & Co. Supreme Court of Washington. 149 Pac. 830.

Price Restrictions.—A manufacturer cannot, without violating Anti-Trust Act July 2, 1890, c. 647, 26 Stat. 209, in connection with an absolute sale of its product (though with the patented cartons containing it) to a jobber, control the price at which the package shall be resold by the jobber, or by the retailers who buy from the jobber.—U. S. v. Kellogg Toasted Corn Flake Co. U. S. District Court, Michigan. 222 Fed. 725.

Recovery of Demurrage Due to Carrier's Delay.—Where demurrage charge was incurred thru delay occasioned by a railroad company's refusal to deliver a shipment without payment of an excessive charge, and the time consumed in the adjustment of the controversy, the shipper was entitled to recover the amount thereof from the railroad company.—St. L. I. M. & S. R. R. Co. v. Allen. Supreme Court of Arkansas. 175 S. W. 514.

Lease of Site on Right of Way.—A railway company leased to the plaintiff at a rental of \$6 per annum a strip of ground on its right of way to be used in the erection of a grain elevator. The lease contained a provision that the lessee should assume all risk of loss, damage or destruction to the elevator buildings or contents from causes incident to or arising from the movement of locomotives, trains of cars, misplaced switches or in any other respect from the operation of the railroad, whether the result of negligence of the railway company or its employes. Held, that the clause exempting the railway company from liability is not in contravention of public policy, and is valid.—Griffiths Grain Co. v. St. J. & G. I. Ry. Co. Supreme Court of Kansas. 146 Pac. 1134.

Margin transactions are not per se illegal, and the fact that an account is made up entirely of them does not of itself give a broker's customer any right to recover under Rev. Laws, c. 99, § 4, providing for a customer's recovery from a broker of anything delivered to the broker on account of transactions intended not to be completed by actual purchase or sale.—Chandler v. Prince. Supreme Judicial Court of Massachusetts. 109 N. E. 374.

Meaning of Contract.—Where a written contract provided for the sale of baled hay by the defendant, an individual, to plaintiff, a corporation, at a specified price per ton, loose, "we to pay for baling," parol evidence of a custom and oral agreement that the plaintiff was to furnish the baling and pay for the baling was admissible to explain the ambiguous expression.—Saginaw Milling Co. v. Schram. Supreme Court of Michigan. 152 N. W. 945.

B/L "Inspection not Permitted."—Under a B/L calling for delivery to the order of the consignor, and stipulating for notice to the buyer, and for a surrender of the bill before delivery, and declaring that inspection of the property would not be permitted, the carrier was without authority to deliver the property to the buyer for inspection without authority from the consignor.—L. S. & M. S. Ry. Co. v. W. H. McIntyre Co. Appellate Court of Indiana. 108 N. E. 978.

Shipping Contracts must be Uniform.—The Carmack amendment to the Hepburn Act (Act June 29, 1906, c. 3591, § 7, pars. 11, 12, 34 Stat. 595 (U. S. Comp. Stat. 1913, § 8592) which requires a written shipment contract for interstate shipments and prescribes uniform rules for the liability of carriers growing out of such contracts, supersedes all other regulations applying to such shipments.—Kent v. C. B. & Q. R. R. Co. Kansas City Court of Appeals, Missouri. 176 S. W. 1105.

Right to Stop in Transit.—Where the buyer of oats refused to accept them after receiving the B/L and having it marked "Cancelled by delivery," and the seller recovered judgment against the buyer for the price, it had no right of stoppage in transitu, the right terminating when the goods are delivered; and where the railroad company, in whose possession the oats had been left, sold them, the seller cannot claim the proceeds of that sale as against the buyer's assignee.—Northern Grain Co. v. Wiffler. Supreme Court of New York. 153 N. Y. Supp. 725.

Carrier Liable for Failure to Furnish Cars.—Where some of the cars required by plaintiff were for intrastate shipments, the state court to that extent has jurisdiction of an action for damages for failure to furnish cars, tho many of the cars were desired for interstate shipments. Where the lower court had jurisdiction of at least part of the action, defendant, who went to trial without objection on that score, cannot on appeal raise the question of the court's jurisdiction.—Dobbins v. Syracuse, E. & N. Y. R. Co. Court of Appeals of New York. 109 N. E. 79.

Transfer of Title to Shipment.—Where, on a sale of goods not specific, which are to be selected and appropriated to the contract by the seller, the seller selects and ships goods, taking a B/L to the buyer as consignee, *prima facie* the title passes. If he reserves possession of the B/L, drawing on the buyer for the price, and forwarding thru a bank the draft with the B/L attached, with instruction to deliver the B/L only on payment of the draft, *prima facie* title does not pass until payment. The question is, however, one of intention of the parties, and where the goods are sold f. o. b. cars at point of shipment, and the buyer is required to furnish the seller a bank guarantee before shipment, and he does so, depositing the price with the guaranteeing bank to secure the guarantee, it is proper to instruct the jury as a matter of law that the title passes on delivery to the carrier.—Presley Fruit Co. v. St. L. I. M. & S. Ry. Co. Supreme Court of Minnesota. 153 N. W. 115.

Measure of Damages for Carriers' Delay.—The measure of damages for delay in delivering goods is ordinarily the diminution in the market value of the goods between the time when they ought to have been delivered and the time when they were delivered, whether the difference in value is the result of a decline in the market or of injury suffered by the goods in consequence of delayed delivery, together with interest from the date the goods should have been delivered, less freight, if unpaid.—L. & N. R. Co. v. Cheatwood. Court of Appeals of Alabama. 68 South. 720.

Furnishing Cars—Shipper not Entitled to Attorney's Fees Under Kansas Statute.—The equal protection of the laws guaranteed by U. S. Const., 14th Amend., is denied to railway companies by Kansas Laws 1905, chap. 345, under which, as amended by Laws 1907, chap. 275, a reasonable attorney's fee is allowed to a shipper who successfully sues a railroad company for failure to furnish cars, while no such allowance may be made in favor of a railway company in the event of its successful prosecution of a suit brought by it under such statute against a shipper who has failed to use the cars promptly.—A. T. & S. F. R. Co. v. J. B. Vosburg. Supreme Court of the United States. 35 Sup. Ct. Rep. 675.

Crop Improvement.

THE IMPROVEMENT of stump land by the large armies of city unemployed is advocated by Bert Ball, chairman, Crop Improvement Com'ite, Chicago. Mr. Ball's idea is to ask owners of this kind of land to grub-stake a number of idle men while the acreage is cleared, after which a certain section of the land should be given the workers for the improvement made. As stump land is practically worthless from a productive standpoint, but may command from \$20 to \$100 per acre if workable, Mr. Ball believes the proposition will be mutually profitable to owners and workers.

A SERIOUS SHORTAGE of matured seed corn this fall and winter is one of the predictions of the Crop Improvement Com'ite, Chicago, but as usual, that valuable body points out a most simple remedy. It is recommended that the grain trade open a register of all available seed corn and Bert Ball, Chairman of the Com'ite, offers his office as the central point. Each grain man in the corn belt is asked to determine exactly how much is to be had in his community and the price at which it may be purchased. If this is done Mr. Ball will act as the intermediary for the districts having a surplus and those that are short.

A GRAIN COMPARISON DAY is urged by the Crop Improvement Com'ite, Chicago, in all sections where wheat will be sown this fall. The grain dealers are asked to co-operate with the bankers and merchants of their towns to set aside one day for the farmers of the community to bring in "mason jar" samples of their seed wheat, tagged with name and address of owner, quantity on hand, and the price for which he is willing to sell. These samples will then be submitted to a com'ite, one member of which will be from the State College of Agriculture. When the sample conforming most nearly to the variety best adapted to a section is found the whole community will be asked to sell the seed wheat they contemplated planting and substitute the wheat selected, at the owner's price. To guard against excessive prices those submitting samples must state the price at the time sample is turned in, and before the prize selection has been found.

War Affecting the Grain Trade.

THE SWISS Dep't of Public Economy has formed a commission of experts to study the culture of cereals with the intention of creating a state monopoly for importation.

THE CANADIAN GRAIN crops will not be taken over by the government of Great Britain, as previously reported, but according to Sir Robert Borden, premier of Canada, will be marketed thru the usual commercial channels.

THE WAR GRAIN Co., which has been in charge of organization and the purchase of all Prussian foodstuffs for the last six months, is to be superseded by a central body under direct supervision of the Imperial Government.

THE GERMAN federal council is preparing a proclamation regulating the nutrition of the civil population, but as the imperative necessity of the measure is recognized universally it is greeted with satisfaction by all classes of the empire.

AMERICAN COM'SN for Relief of Belgium has concluded an agreement with the military governor of that country providing that the wheat and rye crops in that part of Belgium occupied by the Germans shall be reserved for the civilian population.

AUTHORITIES AT TARASCON, France, have ordered a search of the premises of 11 grain merchants whom they suspect of sending grain to Germany in spite of the war. All books and foreign correspondence have been seized and a two months' search of the data started.

SWEDISH STEAMER ZAMORA arrived in New York July 8. Officers of the vessel said they had not been permitted to deliver its cargo of grain and copper to Stockholm, the original destination, but after being taken into Kirkwall by a British cruiser, were held there for 10 days and then sent to Barrow-in-Furness where the cargo was ordered discharged.

THE NORTH AMERICAN Grain Export Ass'n has prepared a new form of contract for use by grain exporters, intending to put the business on a strictly cash basis, limiting the liability of shippers and providing for contingencies caused by war. The form of contract is to be submitted to members of the ass'n late in July, and it is believed will become effective within 3 weeks after its approval.

THE HIGH COURT of England has decided that in case of prohibition of export, blockade or hostilities preventing shipment or delivery of wheat to that country, the sellers shall have the option of cancelling the contract or any unfilled

part thereof by giving the buyers written notice to that effect, in which event the buyers shall not be entitled to compensation for non-delivery. This phrase is included in the Black Sea and Danubian grain contracts with British millers or bakers. In arriving at its decision the court found that prohibition of export caused a rise in the price of wheat of 5s per quarter between July 27 and Aug. 12. The defendants, H. Leetham & Sons, however, believed that since a considerable supply of wheat was available from Russia the situation could not be termed a "prohibition." After delivery of 88 sacks of wheat they notified the plaintiffs, Ford & Sons, of their inability to make further deliveries on contract, the latter immediately instituting suit.

E. P. BICKNELL, Chicago, director of the American National Red Cross, has been guaranteed a minimum of \$500,000 per month by Germany, for the purchase of wheat and other supplies for Poland. In describing the difficulty of the task he says: "We went to Holland, Denmark and Sweden, and later to Roumania and Bulgaria, in unsuccessful attempts to purchase supplies. For one reason or another they could not be obtained. Russia was willing to sell us all the wheat we required, but we could not obtain transportation for it. On reaching Berlin we were informed that the government had just completed an inventory of the available food supplies in Germany and had found that the country contained enough food to meet all the needs of the population until Nov. 1, 1915, without regard to the new harvest, which would come in August. In view of this fact we were informed that the German government had undertaken to provide bread for Poland from its own stock. So the international commission withdrew from the field."

I CONSIDER the Grain Dealers Journal a great help to all dealers handling grain.—Chas. C. Welch, mgr. Sneath Cunningham Co., Deunquat, O.

GERMANY has carried over 32,000,000 bus. of foodstuffs from the old crop, and the new harvest is expected to produce an additional 445,000,000 bus.

NEW ZEALAND'S CROP of wheat for 1914-15 amounted to 4,921,000 bus., compared with 5,886,000 bus. in 1913-14 and 8,000,000 bus. in 1912-13. Owing to droughts in parts of the Dominion the last crop was a little short of demand, but the harvest beginning in February, 1916, is expected to be so large as to bring about a serious shortage of labor.—Consul General Alfred A. Winslow, Auckland

Rall Grain Co.'s Elevator at Ft. Worth.

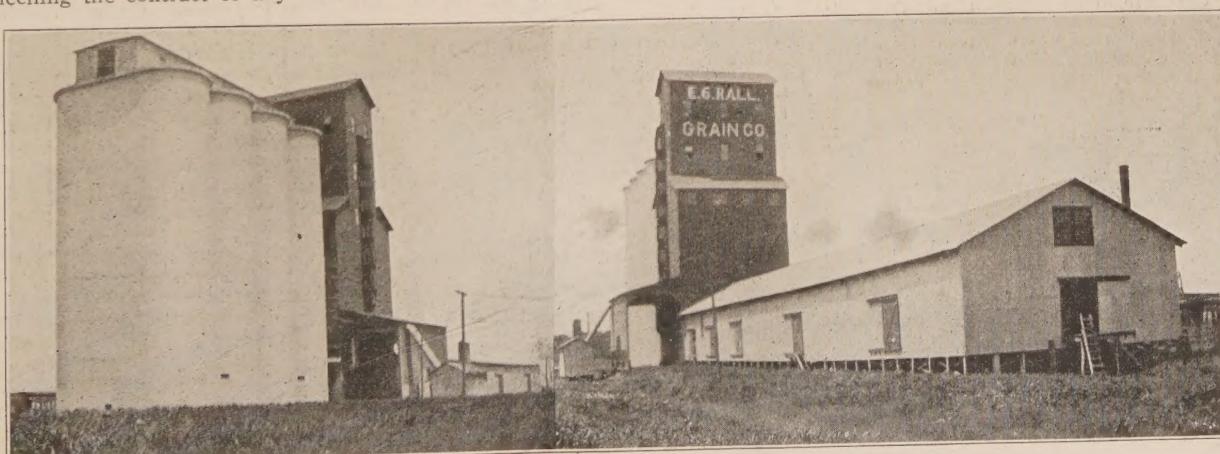
Ft. Worth each year gives additional evidence of why it should be considered the grain center of north Texas. It has more grain storage and handling facilities than any other Texas point, outside of Galveston, and has more grain firms than any other point.

The E. G. Rall Grain Co.'s elevator has been enlarged, until it now has fireproof storage room for 150,000 bus. The working house has storage room for about 50,000 bus. of bulk grain and the warehouse can accommodate approximately 125,000 bus. of sacked grain. The eight concrete tanks, with the interstice bins, not only provide fireproof storage for this enterprising company, but also increase the handling capacity of its elevator. Each of the eight bins is 80 ft. high and 19 ft. in diameter. The house can transfer and clean about 20 cars per day of 10 hours. It is equipped with one large cleaner, one large clipper, a large grinder and two hopper scales, all of which are operated by electric power.

The firm is a member of the Kansas City Board of Trade, the St. Louis Merchants Exchange and the Ft. Worth Board of Trade.

WHEAT has formed the biggest item of the foodstuffs sent abroad during the last 11 months, according to the latest report of the Dep't of Commerce, Washington, D. C. Exports of that grain amounted to 249,576,000 bus., an increase of 164,000,000 bus. over the corresponding period last year. The value of wheat exports this year was \$319,961,000, an increase over the previous year of \$239,138,000.

MANY REFORMERS attribute marketing difficulties to the presence of so many speculators and middlemen; but it must be remembered that these intermediary agents have come into existence to perform services that the farmer fails to perform for himself. If the farmer will not or can not arrange to finance his business, he must expect to pay others to do it for him. If he will not or cannot store his crops and hold them until the markets are ready to use them he calls into existence a class of speculators who demand and receive a liberal price for taking the chance and performing these services. If he is unable personally to distribute his crops and deal direct with the consumer, he must employ agents or commission men to do this work for him.—U. S. Dept. of Agriculture, Office of Markets.



Two Views of E. G. Rall Grain Co.'s Elevator at Fort Worth, Tex.

Patents Granted

Sack Holder. No. 1,145,297. (See cut.) M. E. Erickson and A. W. Mogren, Grantsburg, Wis. A cross brace connects the free ends of supporting members, upon which members are mounted swinging arms to support a sack. Springs are mounted in such a position as to hold the free ends of supports away from each other.

Dust Collector. No. 1,145,903. (See cut.) F. W. Lehrack and E. P. Koehn, Kansas City, Mo. A reclaiming apparatus consists of a primary and secondary collector with aspirator in between and an intermediate collector arranged to circulate the material received from aspirator prior to its discharge into the secondary collector.

Grain Mixer or Blender. No. 1,145,215. (See cut.) W. H. Roney, Gary, Ind. A stationary arcuate trough divides a rotary hopper into a plurality of compartments and provides a dividing ridge between each two adjacent compartments. A spout communicates with the hopper at its upper end, and is arranged to rotate with the hopper. The lower end of spout overlies the trough.

Grinding Mill. No. 1,146,030. (See cut.) S. Snyder, Muncy, Pa., assignor to Sprout, Waldron & Co., Muncy, Pa. A combination of oppositely disposed grinding disks are set in a housing and communicate with a spout which supplies feed to the disks. An annular flange is placed on one of the disks, surrounded by a sectional sealing ring, adjusted by eccentric bolts and set with clamping means when adjusted.

Seed-Corn Hanger. No. 1,145,104. (See cut.) Willis Weaver, Sealy, Tex. A hanger member with an intermediate shank is fitted with a clamping portion extending at an inclination from its upper part. Means are provided for slidable connection with the shank portion of another such member, and the whole rests upon a support extending from the lower part of shank and under the clamping portion.

Attrition Mill. No. 1,146,034. (See cut.) John S. Sorensen, Muncy, Pa., assignor to Sprout, Waldron & Co., Muncy, Pa. In combination with a runner shaft a casing is arranged with an inlet opening. A runner is provided, within the casing, with inlet passages which register with the casing opening and a continuous lateral flange on the runner, externally of the inlet passages, projects into the inlet opening in the casing. A guard ring is adapted to be adjusted radially toward the flange.

Single-head Attrition Mill. No. 1,146,033. (See cut.) John S. Sorensen, Muncy, Pa., assignor to Sprout, Waldron & Co., Muncy, Pa. Opposite axially arranged abutments are set upon a base which also supports a runner casing. A detachable portion is fitted snugly between the abutments being adapted to slide along the base when disconnected from the casing. Detachable portion carries the runner and a grinding element.

Grain Elevator, Wagon Dump and Conveyor. No. 1,145,223. (See cut.) F. J. Zimmerman, Athens, Ill. A main conveyor trough is fitted with discharge facilities at one end, while an auxiliary discharge is provided for on one side near the discharge end. Conveying means are located inside the trough, and an auxiliary trough, also with a conveyor, is in communication with the discharge from side of main conveyor. Both troughs are adapted to convey material to the same receptacle.

Drying, Heating or Cooling Grain. No. 1,146,458. (See cut.) G. H. Stroband and J. H. Stroband, Amsterdam, Netherlands. A casing is provided with an inlet opening at its lower end and an outlet opening at the upper. A foraminous partition extends across the casing, forming a plurality of acutely wedge-shaped bags, extending for the greater part of the height of the casing, and adapted to receive the material to be dried. Upwardly extending air spaces are provided with openings near the casing inlet.

Grader. No. 1,145,301. (See cut.) N. P. Frantzen, Gowrie, Ia. A reciprocating shaker is slidably mounted upon spaced guide rails, and a hopper rests upon the frame above shaker. The shaker is provided with a wire mesh fabric, and discharge spouts, mounted below the shaker, are also fitted with a covering of screen, of relatively different mesh. A platform extends longitudinally from one end of the shaker and means are provided to agitate the shaker, forcing grain to fall thru its screen upon the screen of the spouts, the larger grains from the shaker being carefully directed over the platform.

Feed Cooler. No. 1,145,772. (See cut.) J. E. Josey, and R. C. Miller, Beaumont, Tex. An upright stack comprises the main section of cooler, and means are provided to feed material into its upper end and take away material from the lower end. A series of instrumentalities are arranged inside the stack to retard the descent of the material and concentrate it near the axis of the stack. Means are also provided for agitating the material, beating it and tossing it rapidly outward. Cool air is admitted above and the hot air extracted below each of the concentrating means. A primary exhausting element is arranged at upper end of stack.

Sack Holder and Weigher. No. 1,146,061. (See cut.) Louis Garnier, San Diego, Cal. A support comprised of tubular members, each with its upper end open, includes an inwardly disposed shoulder within the tubular members, shoulders being located adjacent to the open ends. A disk rests upon the shoulders and a rod is disposed thru the disk and placed in contact with the end of a spring, also connected with the disk. Sockets disposed within the tubular members are operatively engaged with the rods. Flexible members operate with certain of the sockets and limit the upward movement of the clamping device relative to the support.

Insurance Notes.

LIABILITY INSURANCE in Kansas has been discontinued by one of the largest insurance companies in the United States on the ground that it is unprofitable to protect companies or individuals under the laws of that state against personal injury to employees.

A TABLE of the 1914 workmen's compensation business for Illinois shows that total premiums amounted to \$4,277,492, while losses paid were \$1,816,140, a loss ratio of 42%. The mutual companies' share of this business was \$578,948, with losses of \$102,947, or only 17%.

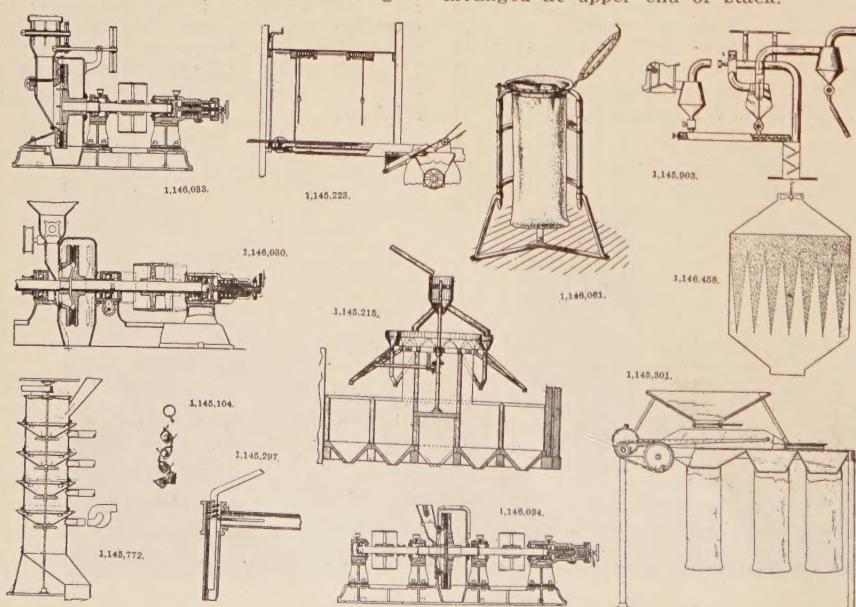
TEXAS INSURANCE COMPANIES have been instructed by the State Insurance Com'ite to apply regular grain rates upon any grain stored in a cotton warehouse, providing the warehouse is used only for grain. Many cotton warehouses were recently erected to meet the abnormal conditions, and these the Com's'n believes can be utilized for grain as they would otherwise be idle at this time.

WISCONSIN state legislature has amended the employers liability act of that state, making the employer of an injured or killed employe responsible even tho no one is entirely dependent upon him for support. If one or more persons are partially dependent upon him the death benefit shall not exceed 4 times the amount devoted by deceased during the year immediately preceding his death, to the support of such persons.

A NEW FORM of contract for export grain is now being prepared by the North American Grain Exporters' Ass'n, New York.

SOUTH AFRICA is becoming quite a factor as a grain producing country but the present shipments would warrant handling the commodity in bulk; local producers are slow to give up the bag method. Recent reports from South African grain men say that on the conversion of bag to bulk handling great changes would be needed, including small elevators or silos in the producing sections and a complete change of railway facilities.

SHIPTON, ANDERSON & CO., an English firm of grain importers, well known in the wheat trade, have been appointed purchasing agents by the governments of Great Britain and France. Nearly all grain contracts are passing thru their hands. American exporters are getting little inquiry from Europe for wheat; but as European growers are showing a disposition to hold grain off the market a good movement from the United States is expected when the American farmer decides to let go. At present the movement from the country is light, receipts at 12 leading primary markets in the United States on July 14 having been only 372,000 bus. of wheat, against 2,694,000 bus. on the corresponding date of 1914.



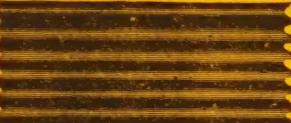
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